

1

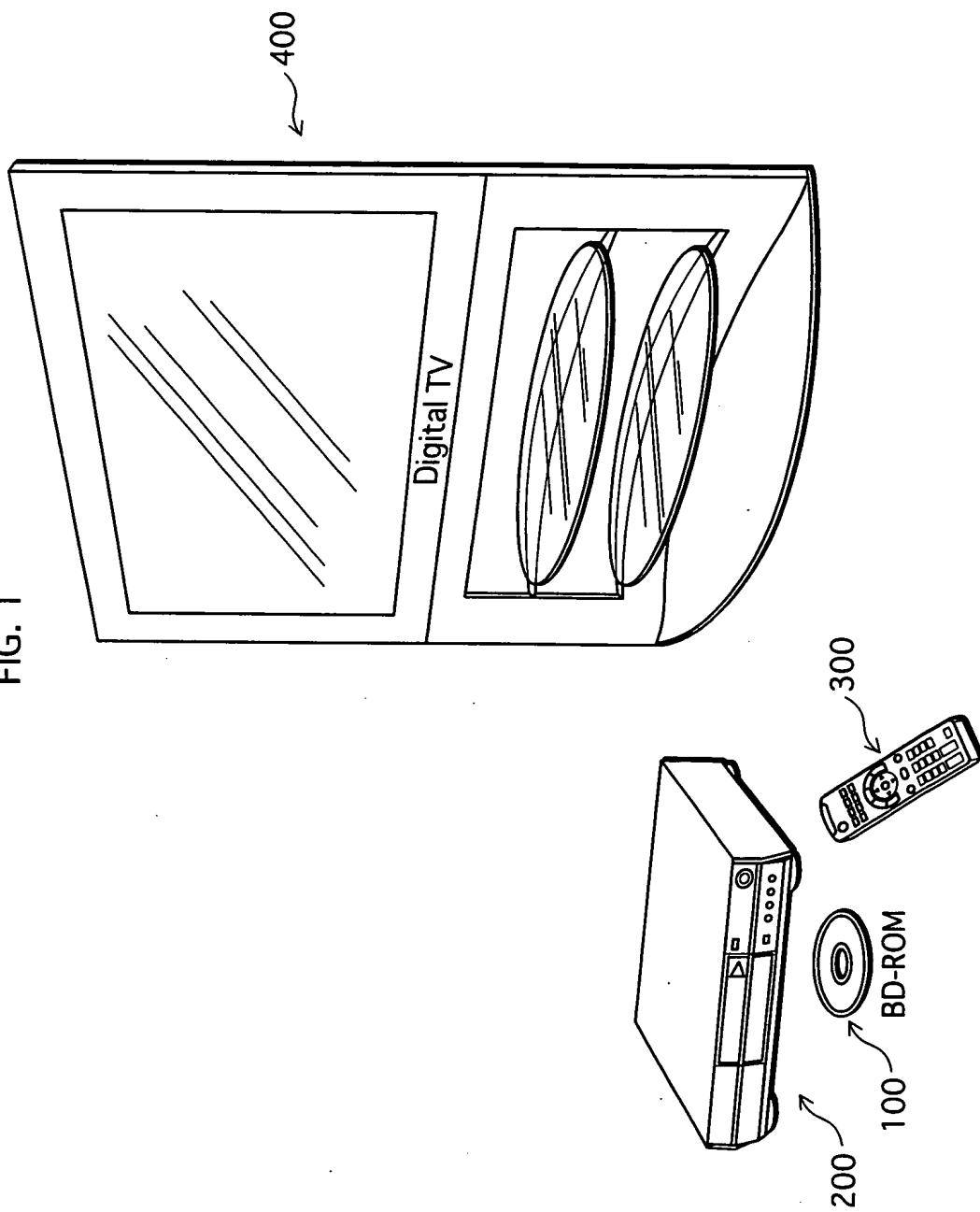


FIG. 2

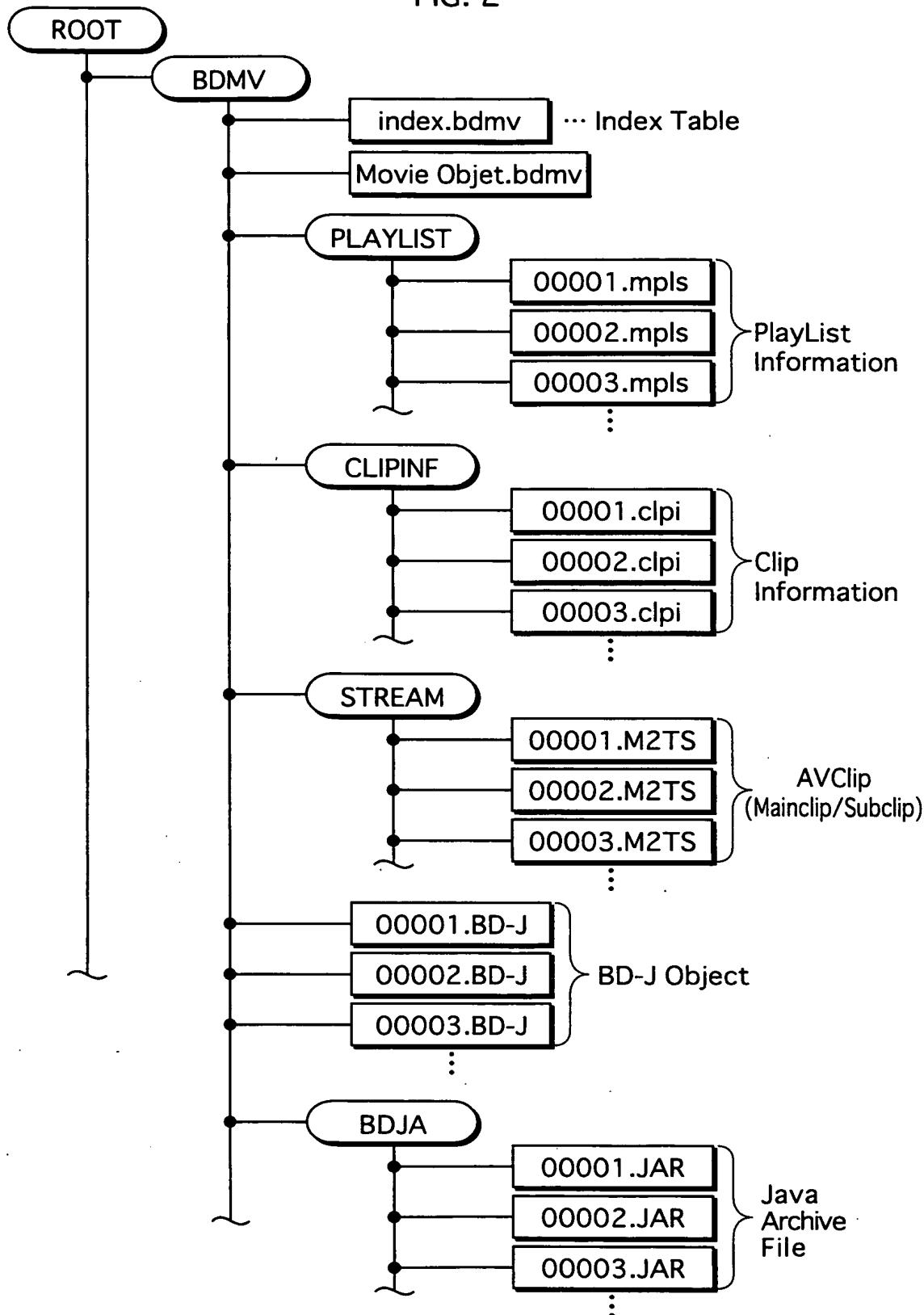


FIG. 3

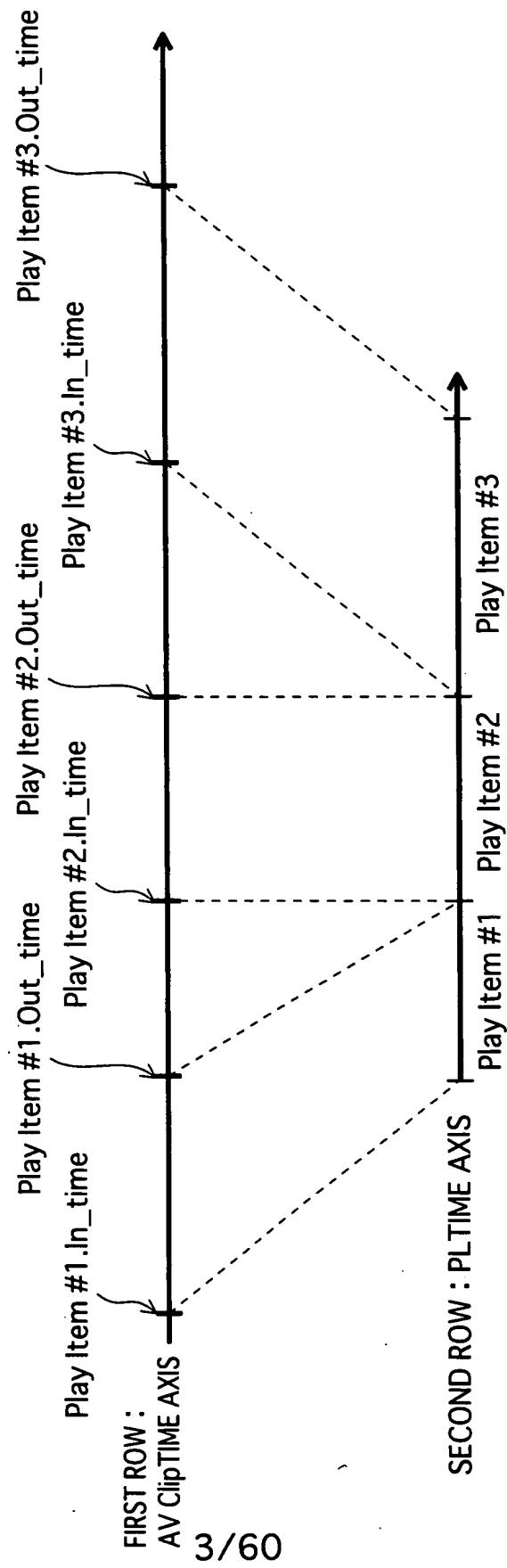
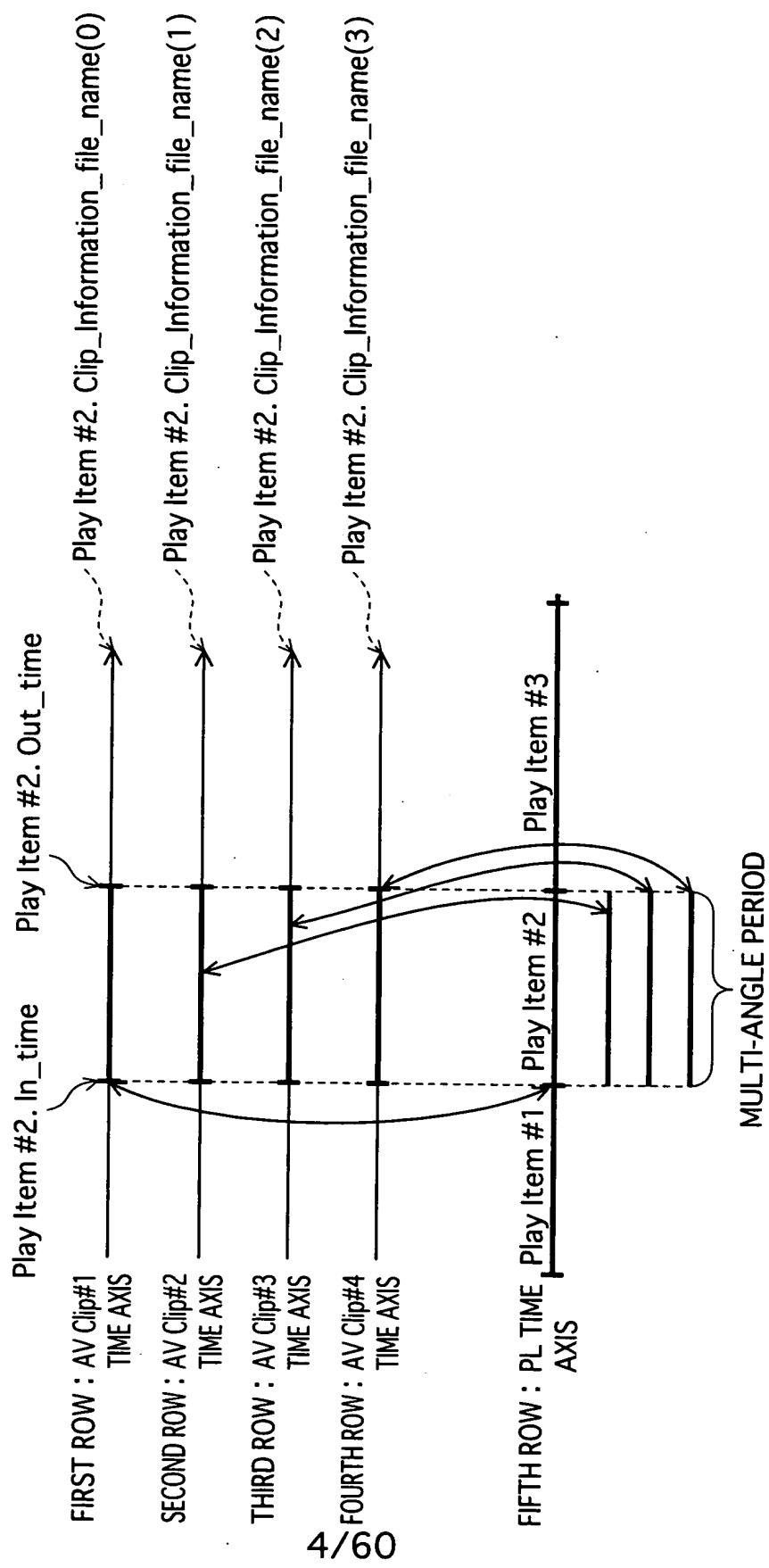


FIG. 4



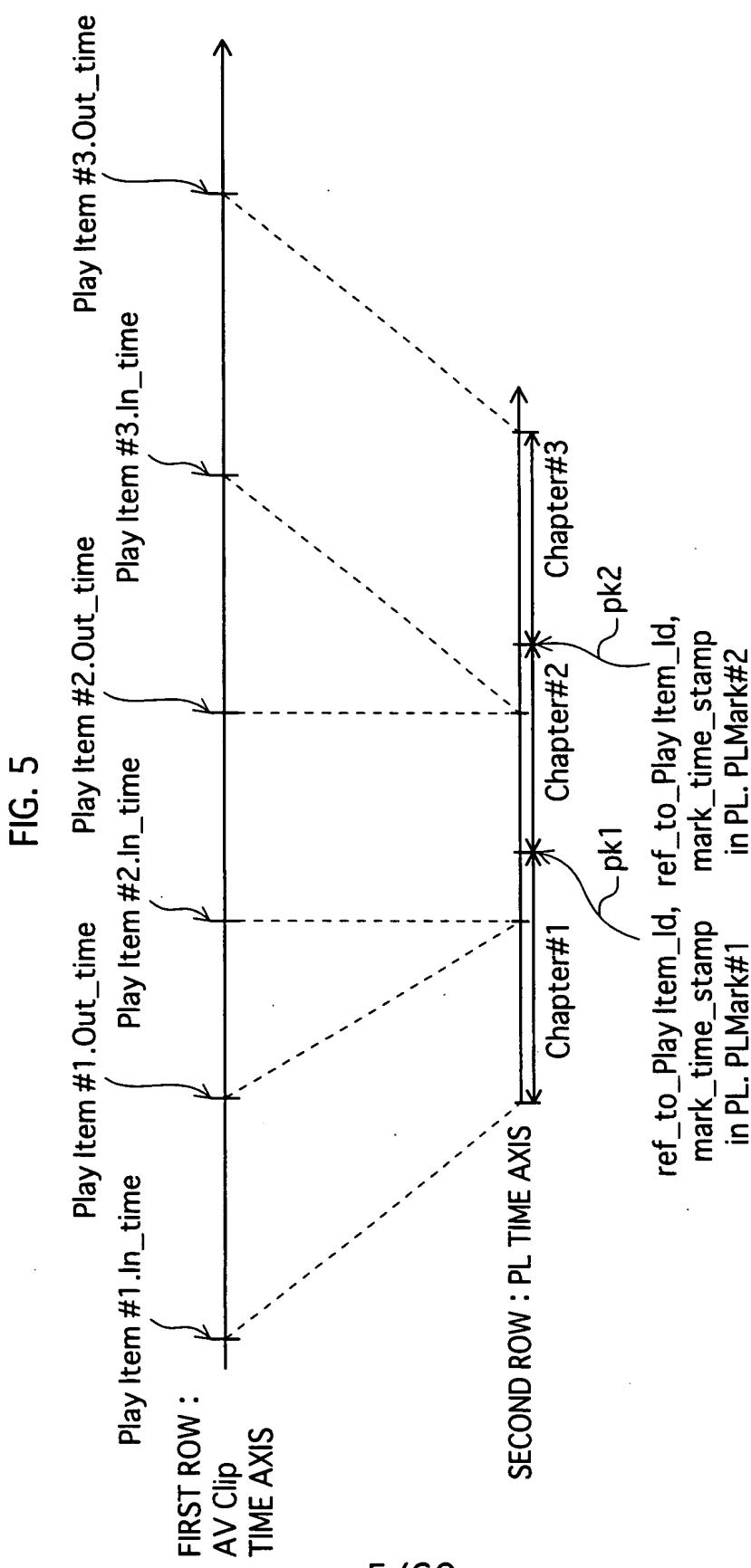


FIG. 6

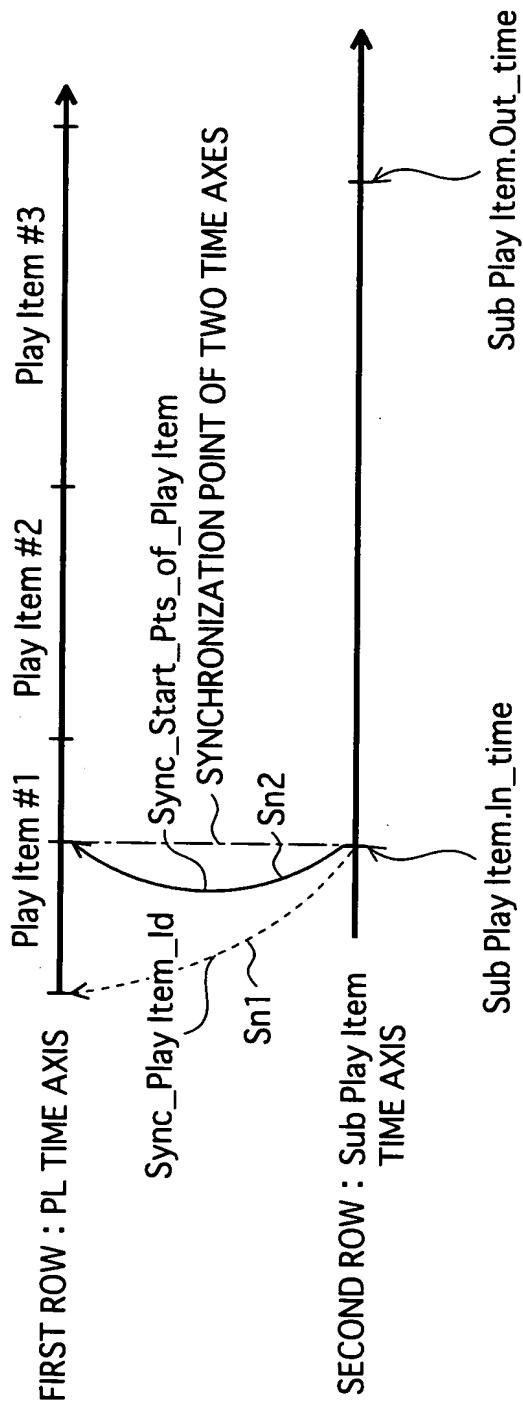


FIG. 7A

ZZZZZ.BDMV

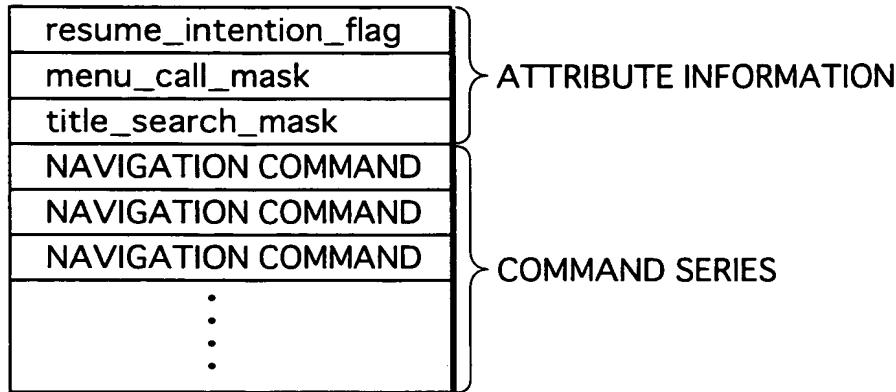


FIG. 7B

ZZZZZ.BD-J

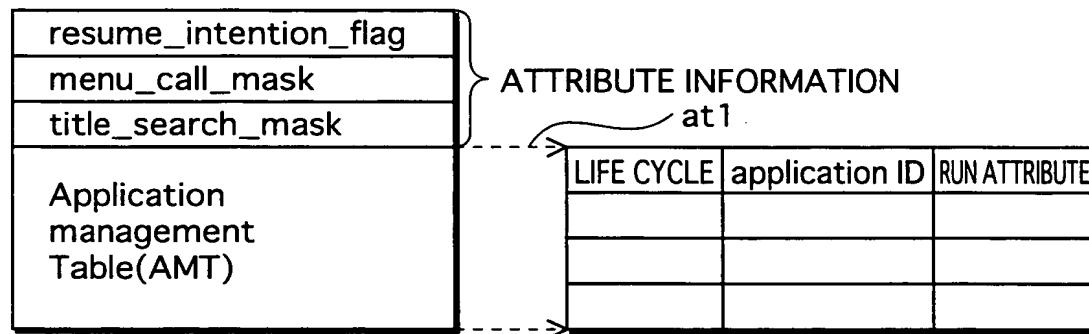


FIG. 7C

JAVA APPLICATION

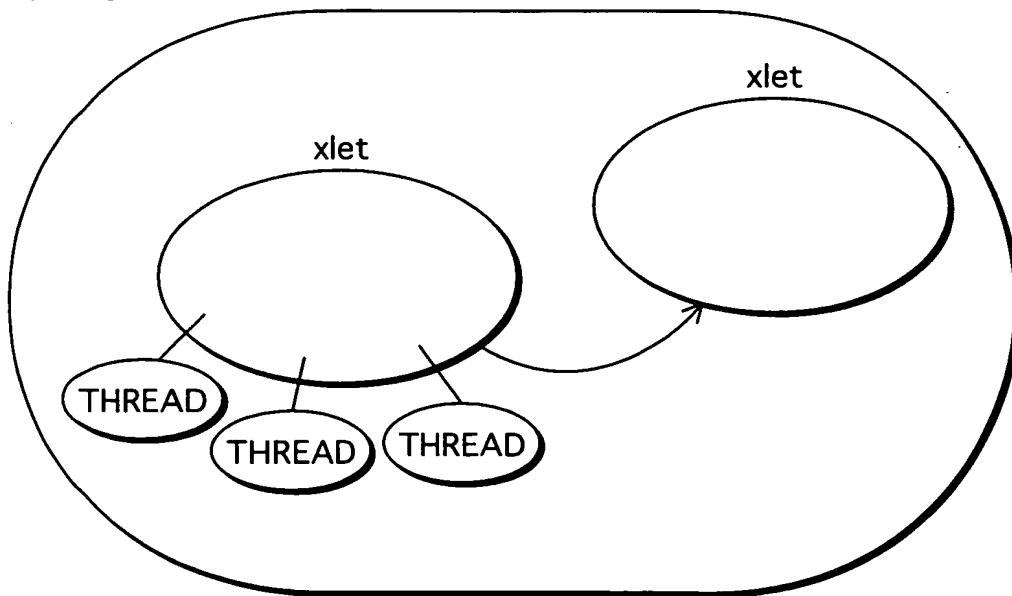


FIG. 8A

JAR FILE

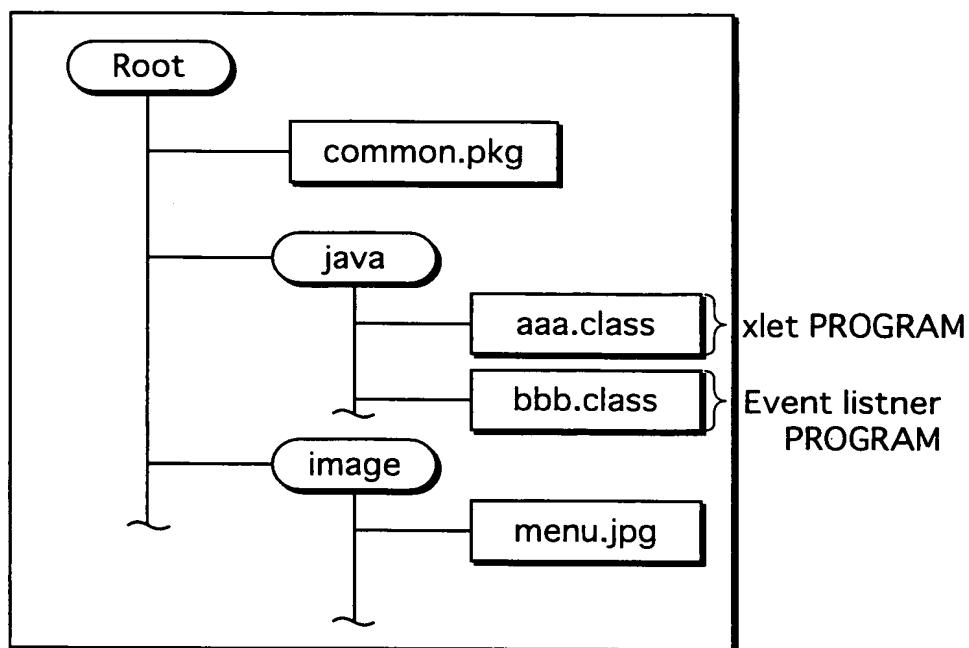


FIG. 8B

xlet PROGRAM

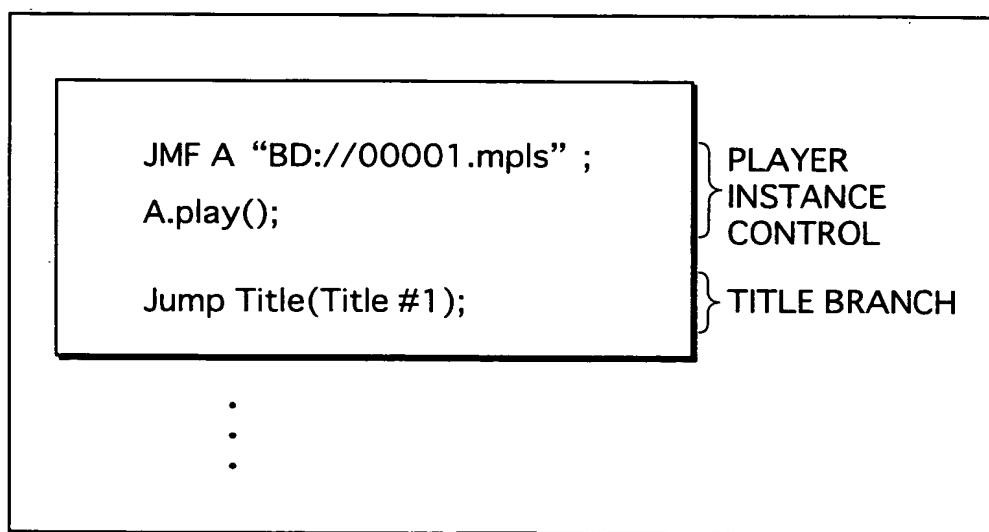


FIG. 9A

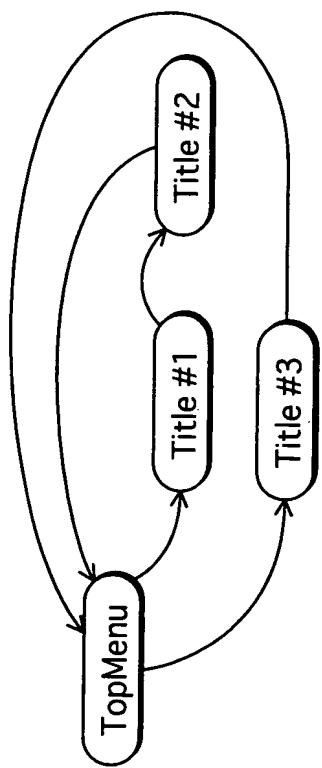
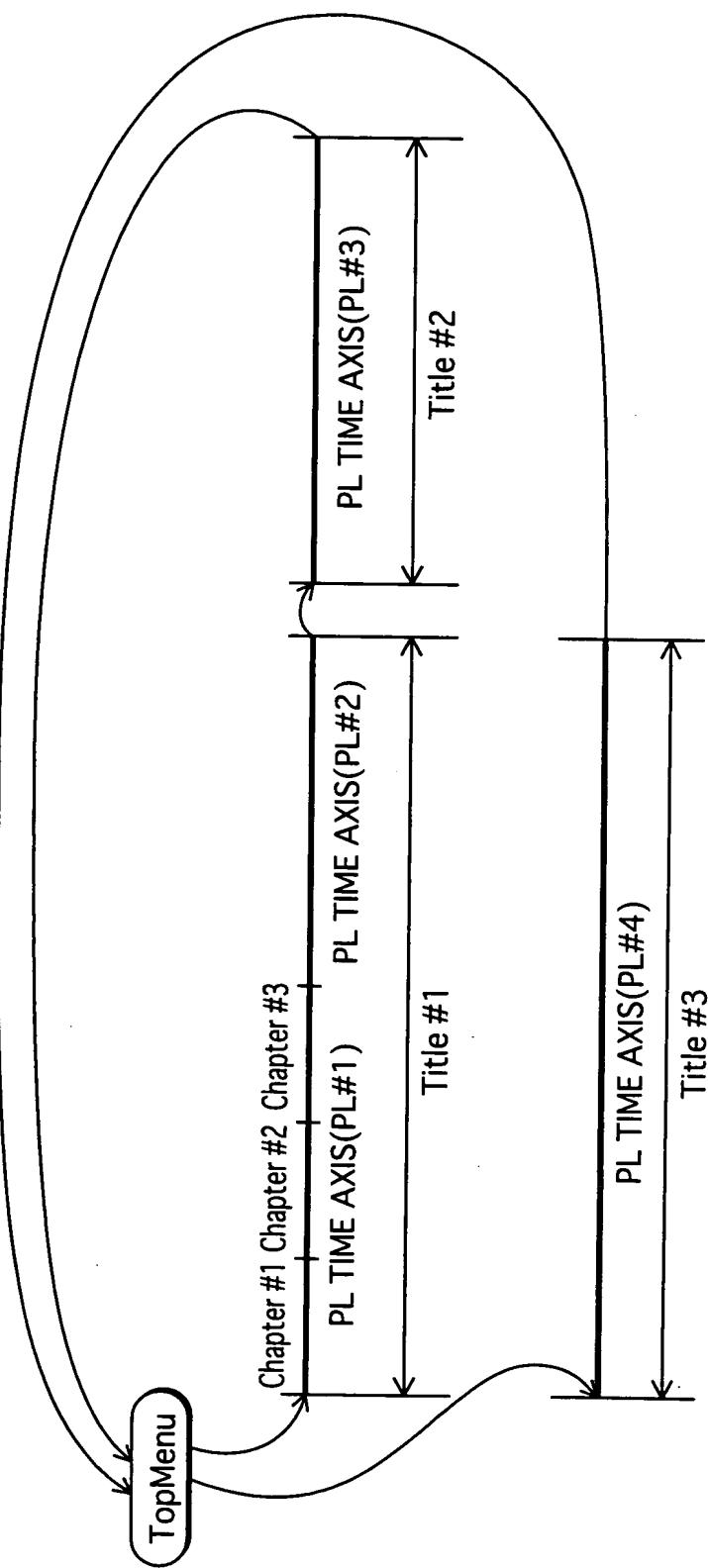
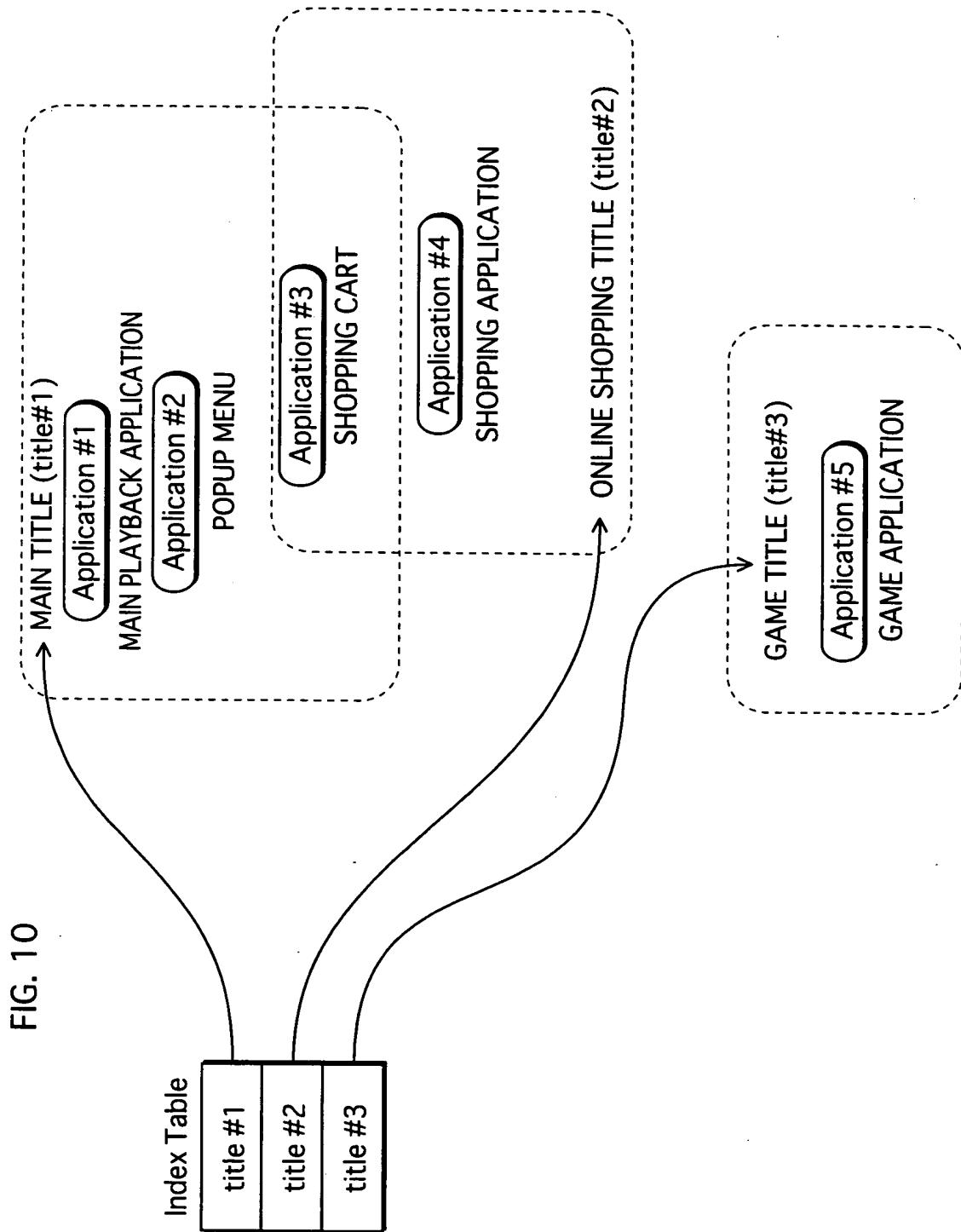


FIG. 9B





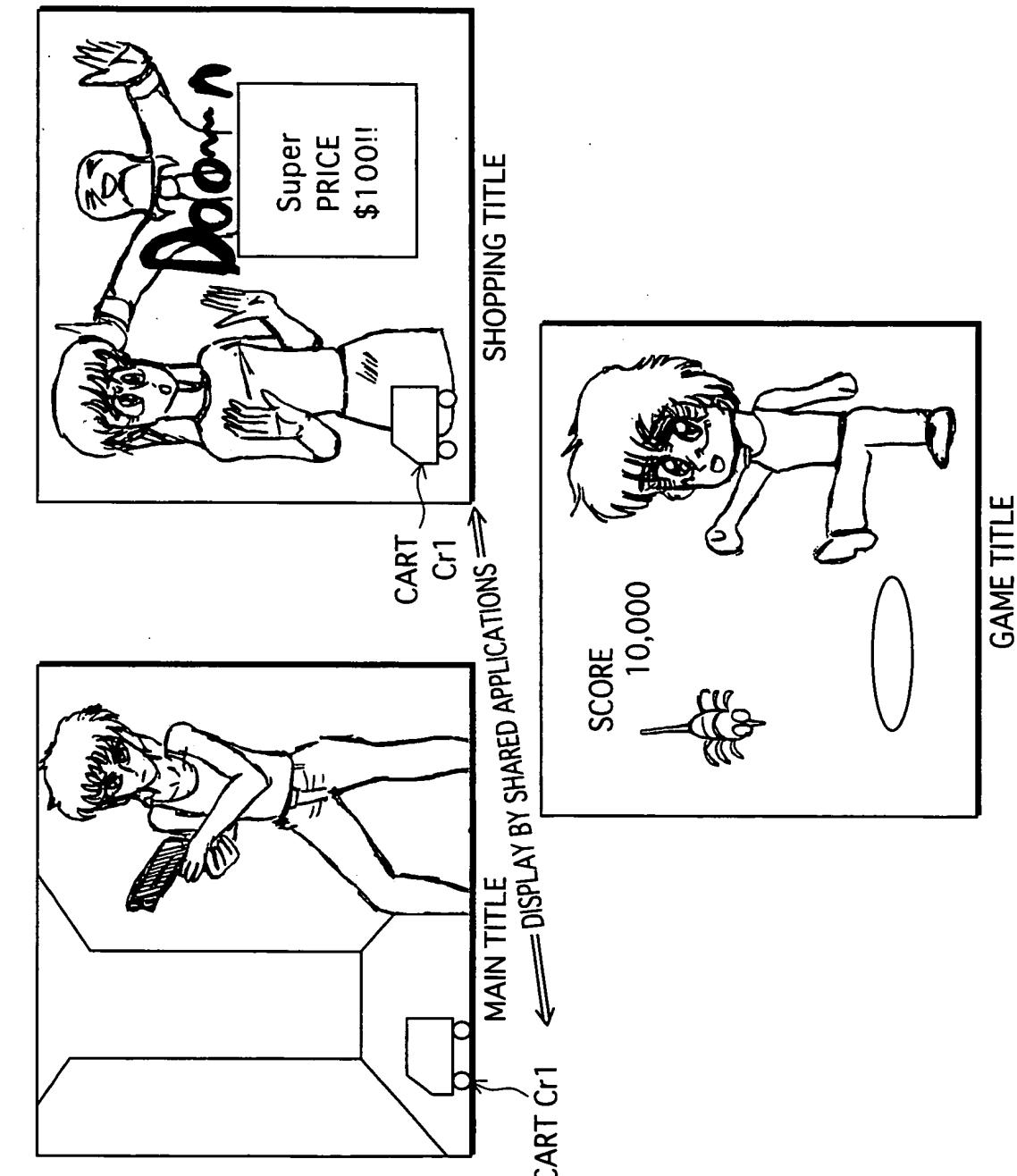


FIG. 11

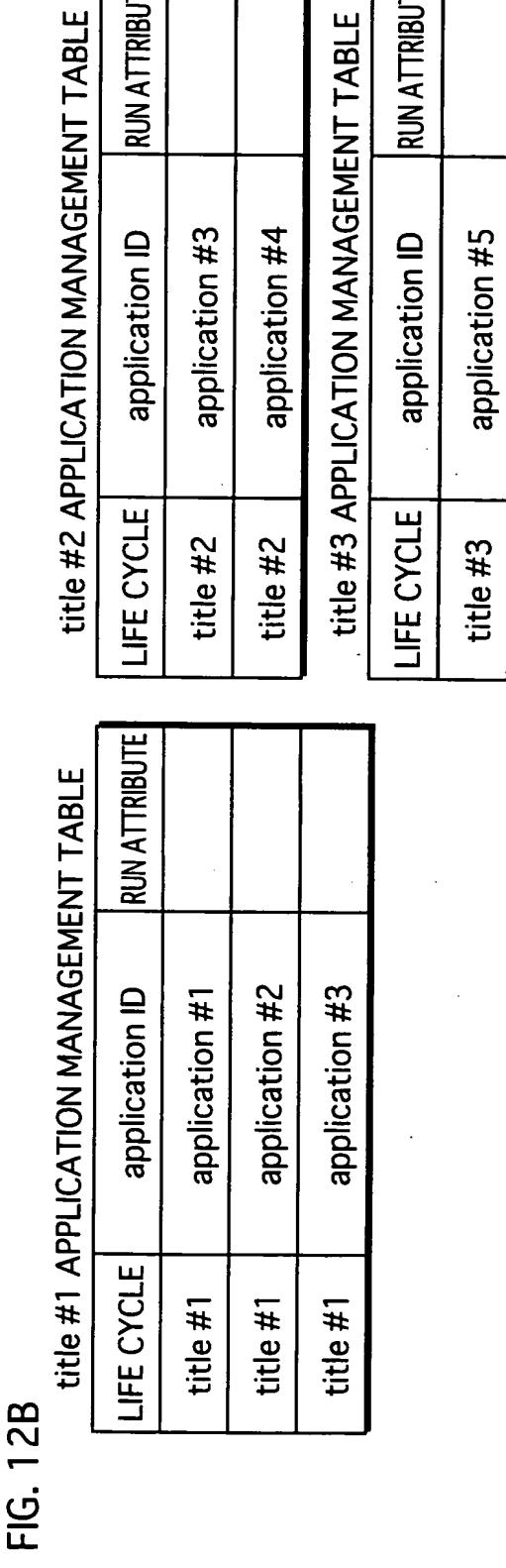
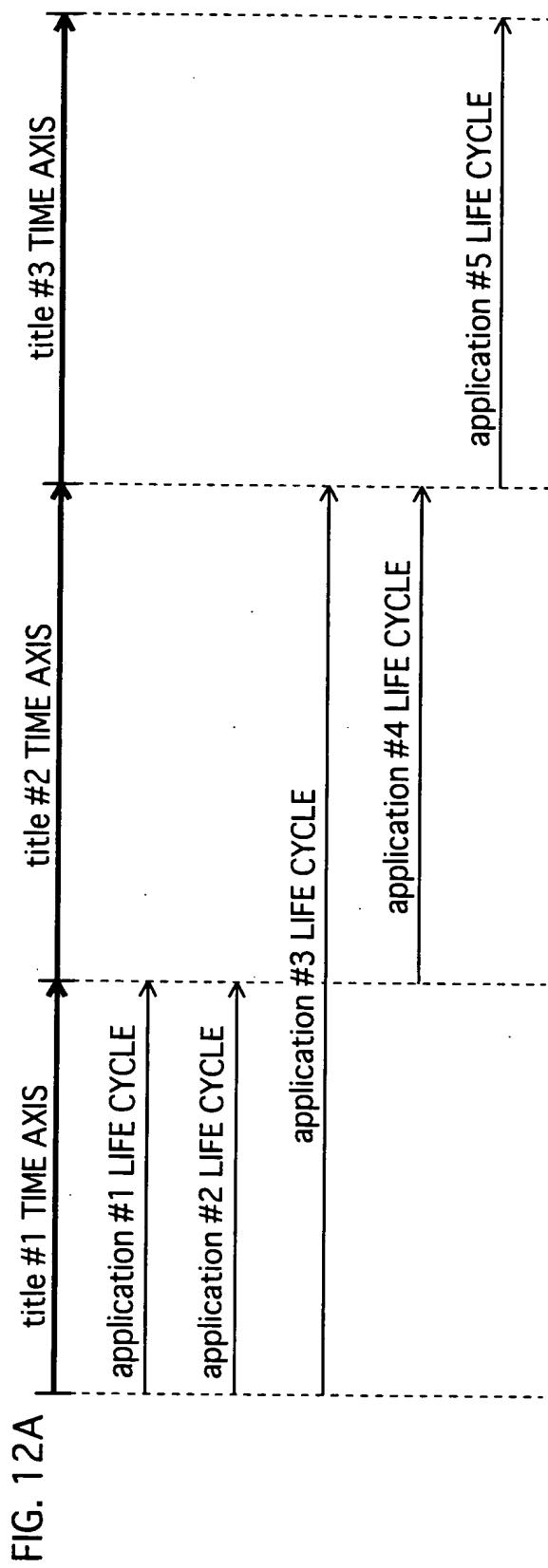


FIG. 13A title #1 APPLICATION MANAGEMENT TABLE

LIFE CYCLE	application ID	RUN ATTRIBUTE
title #1	application #1	AutoRun
title #1	application #2	Persistent
title #1	application #3	AutoRun

title #2 APPLICATION MANAGEMENT TABLE

LIFE CYCLE	application ID	RUN ATTRIBUTE
title #2	application #3	Persistent

FIG. 13B

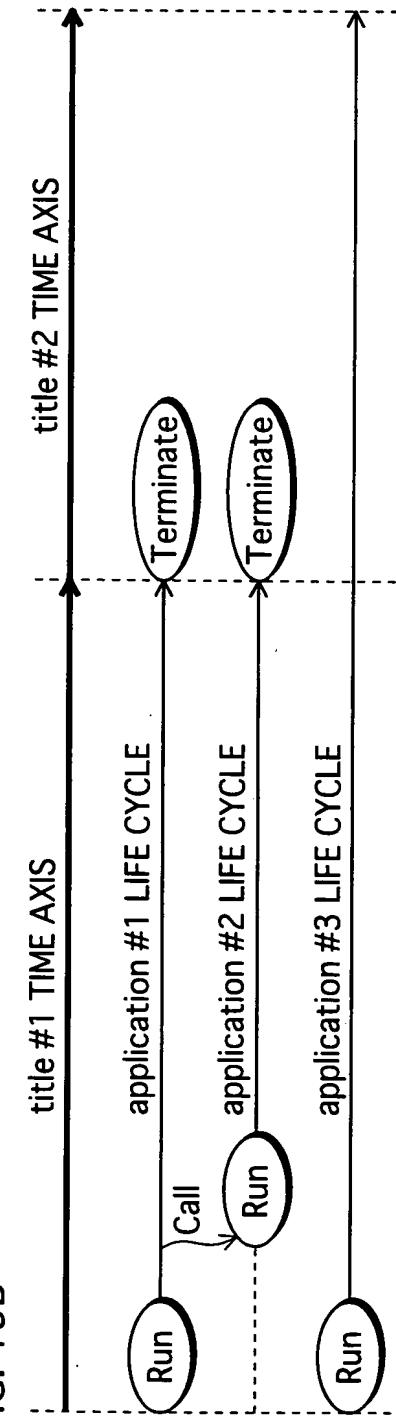


FIG. 14A

title #1 APPLICATION MANAGEMENT TABLE			title #2 APPLICATION MANAGEMENT TABLE			title #3 APPLICATION MANAGEMENT TABLE		
LIFE CYCLE	application ID	RUN ATTRIBUTE	LIFE CYCLE	application ID	RUN ATTRIBUTE	LIFE CYCLE	application ID	RUN ATTRIBUTE
title #1	application #1	AutoRun	title #2	application #1	Persistent	title #3	application #2	Suspend
title #1	application #2	AutoRun	title #2	application #2		title #3	application #2	

FIG. 14B

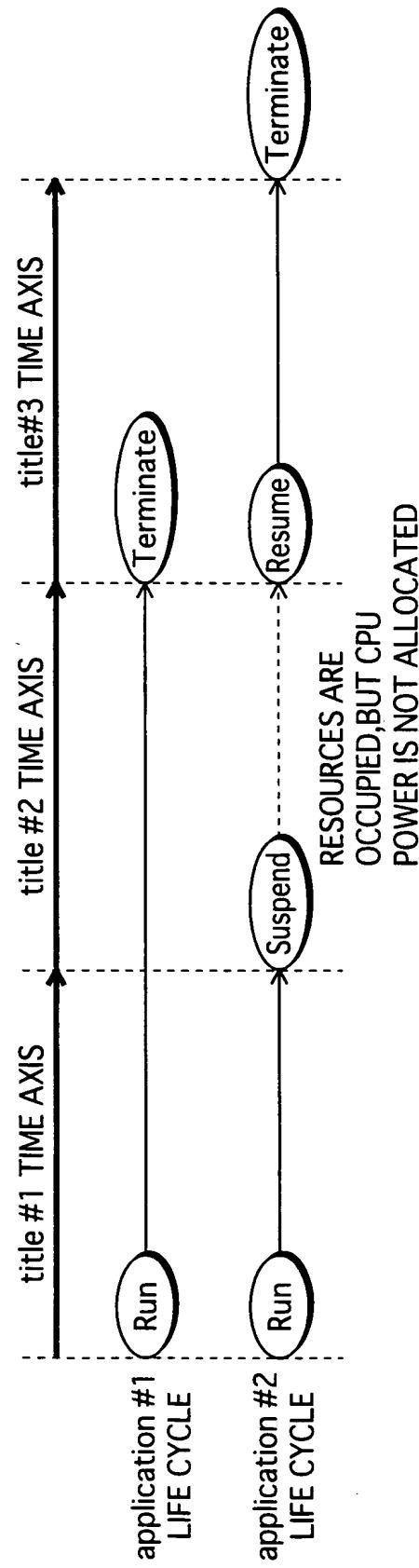


FIG. 15

CHANGE IN APPLICATION STATUS ACCORDING TO RUN ATTRIBUTES

		Run Attribute		
		Persistent	AutoRun	Suspend
Application Status in Previous Title	Not Run	Maintain status without performing operation	Run Application	Maintain status without performing operation
	Running	Maintain status without performing operation	Maintain status without performing operation	Suspend
	Suspend	Resume	Resume	Maintain status without performing operation

FIG. 16

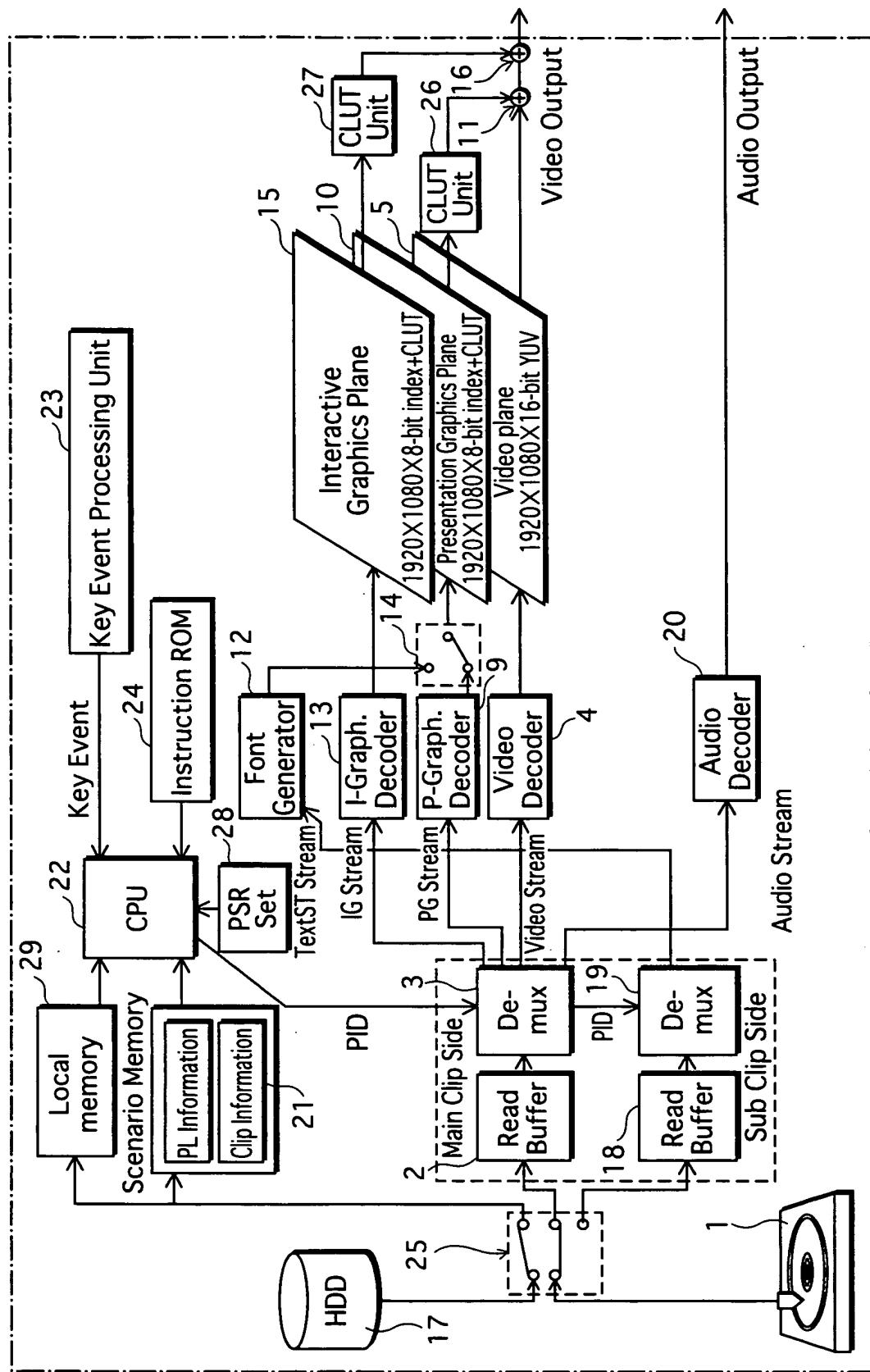


FIG. 17A

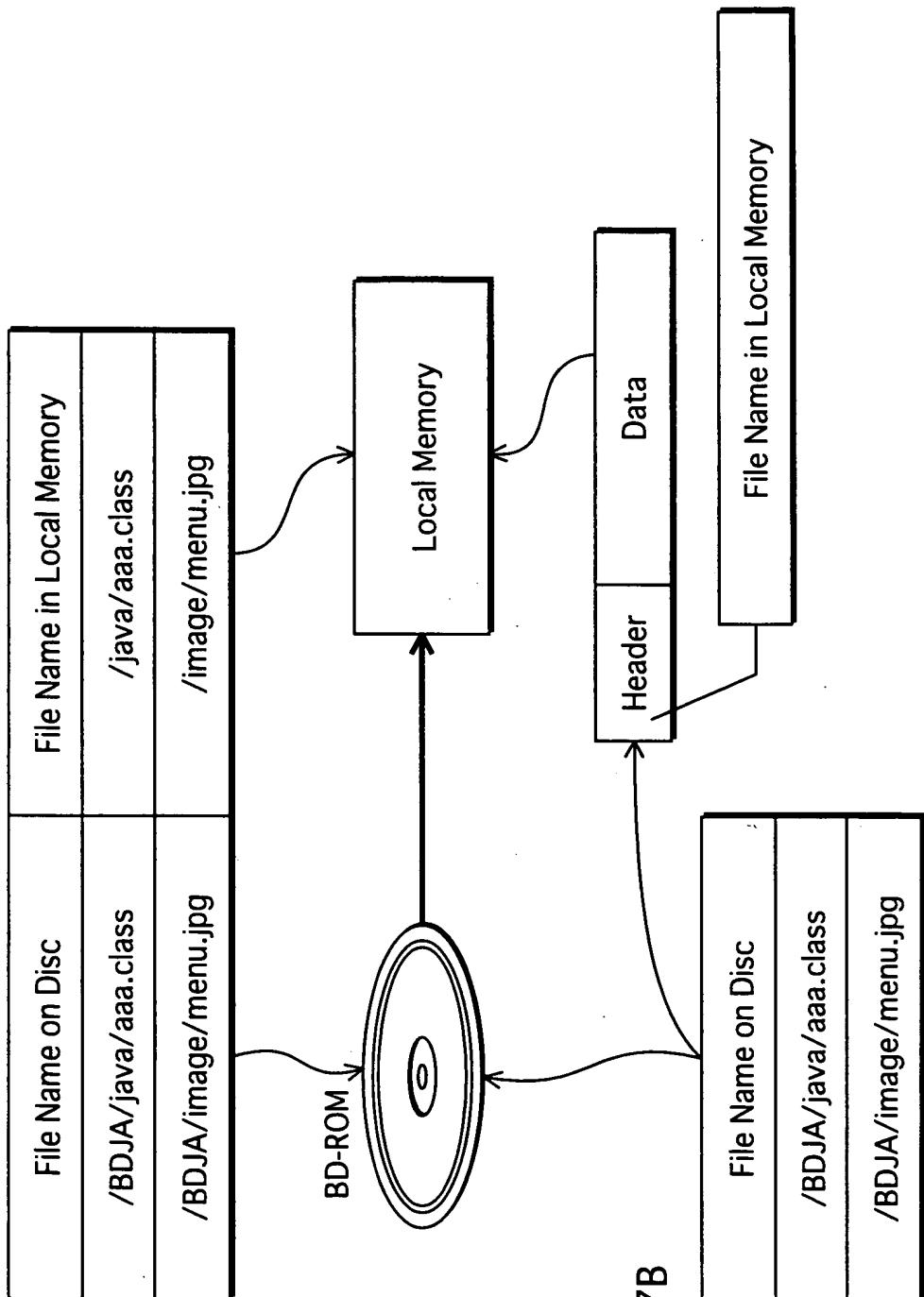


FIG. 17B

FIG. 18

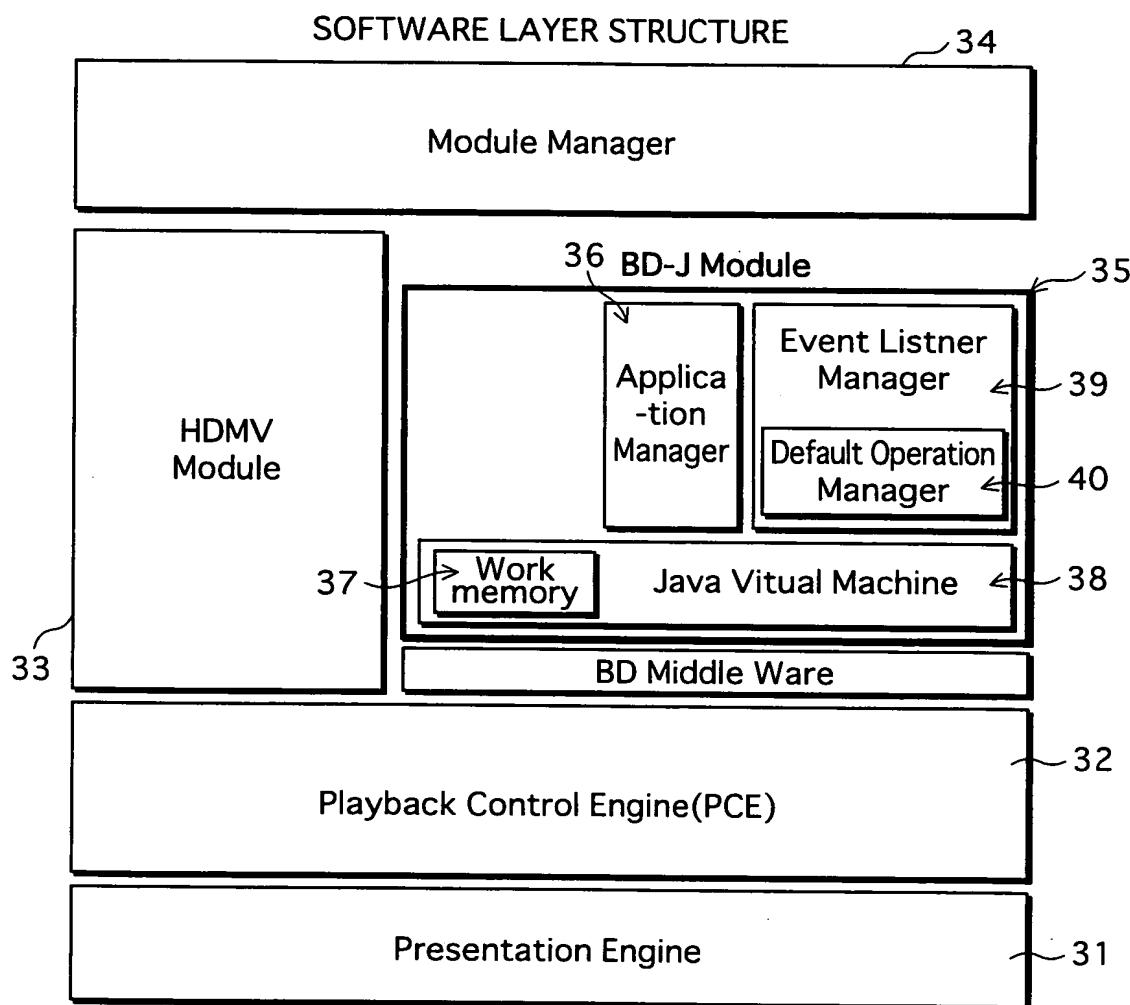


FIG. 19

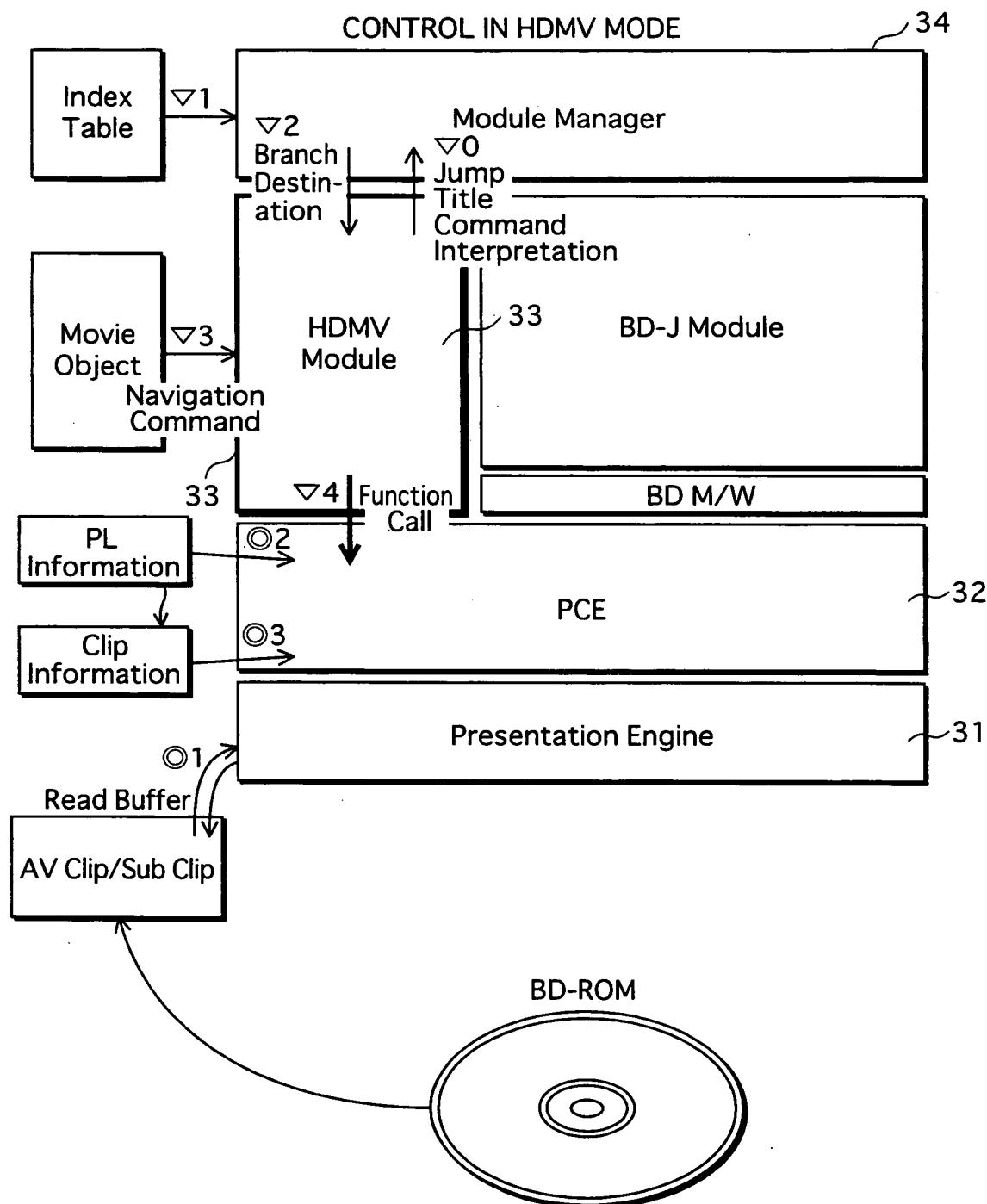
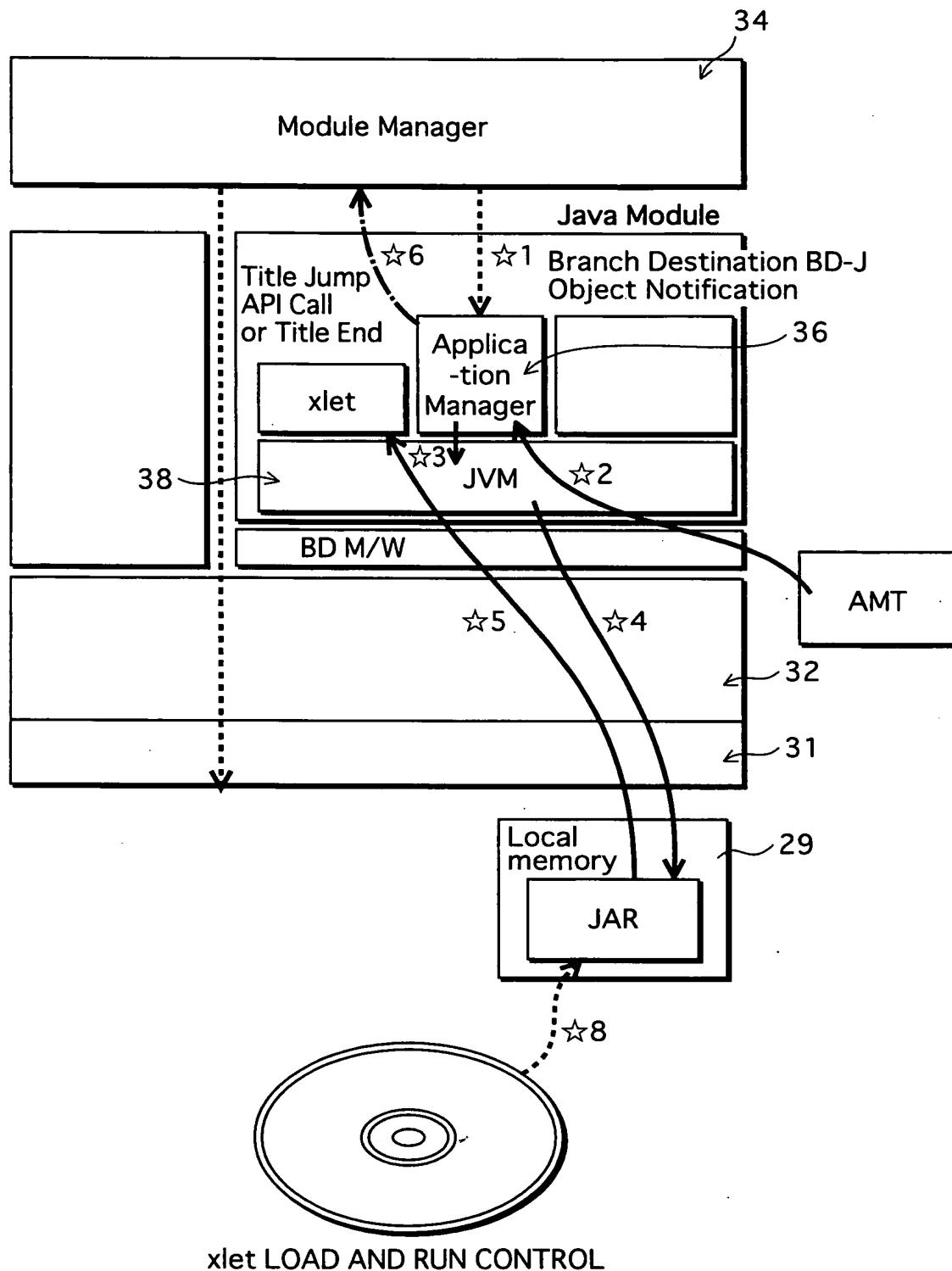


FIG. 20



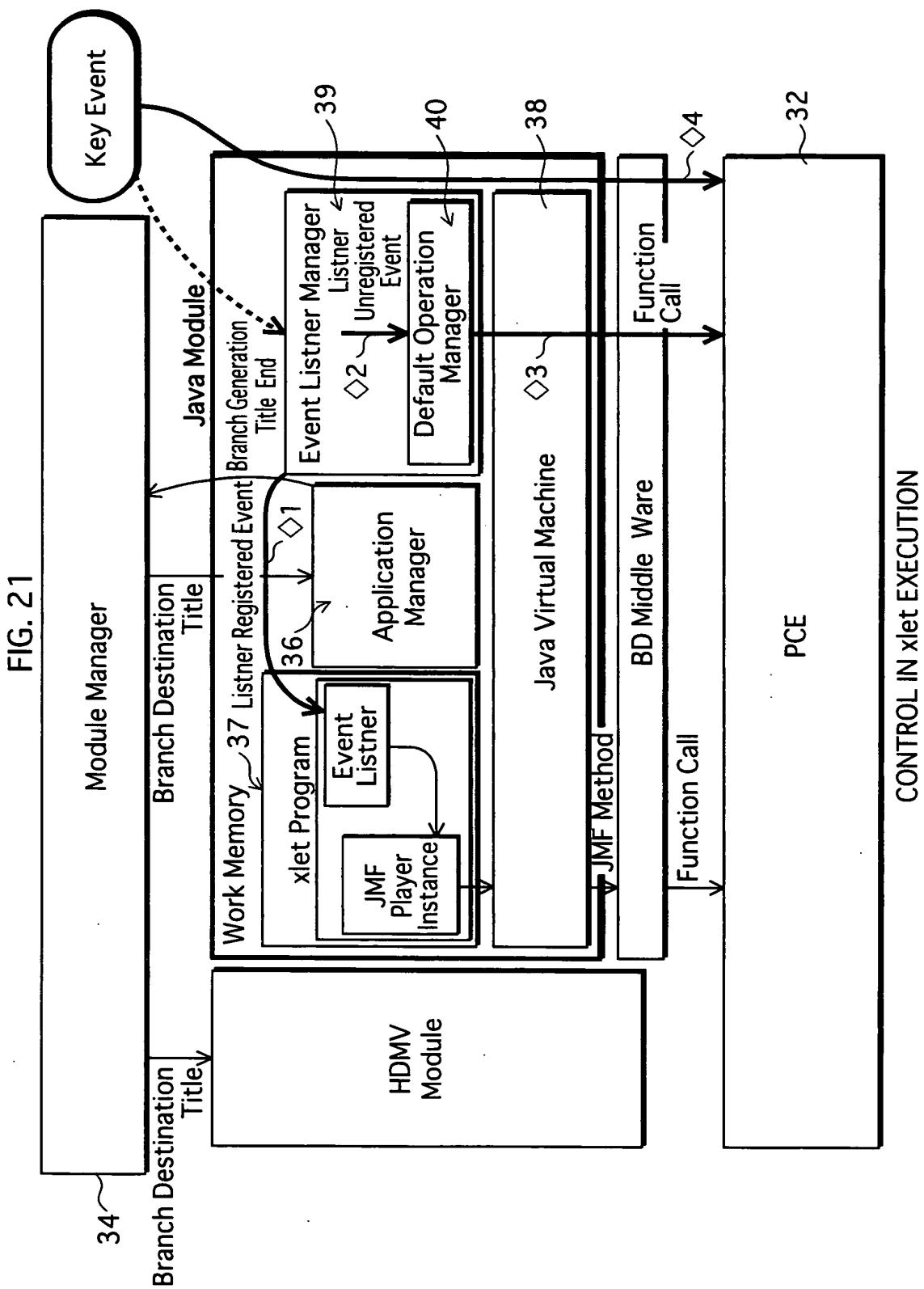


FIG. 22

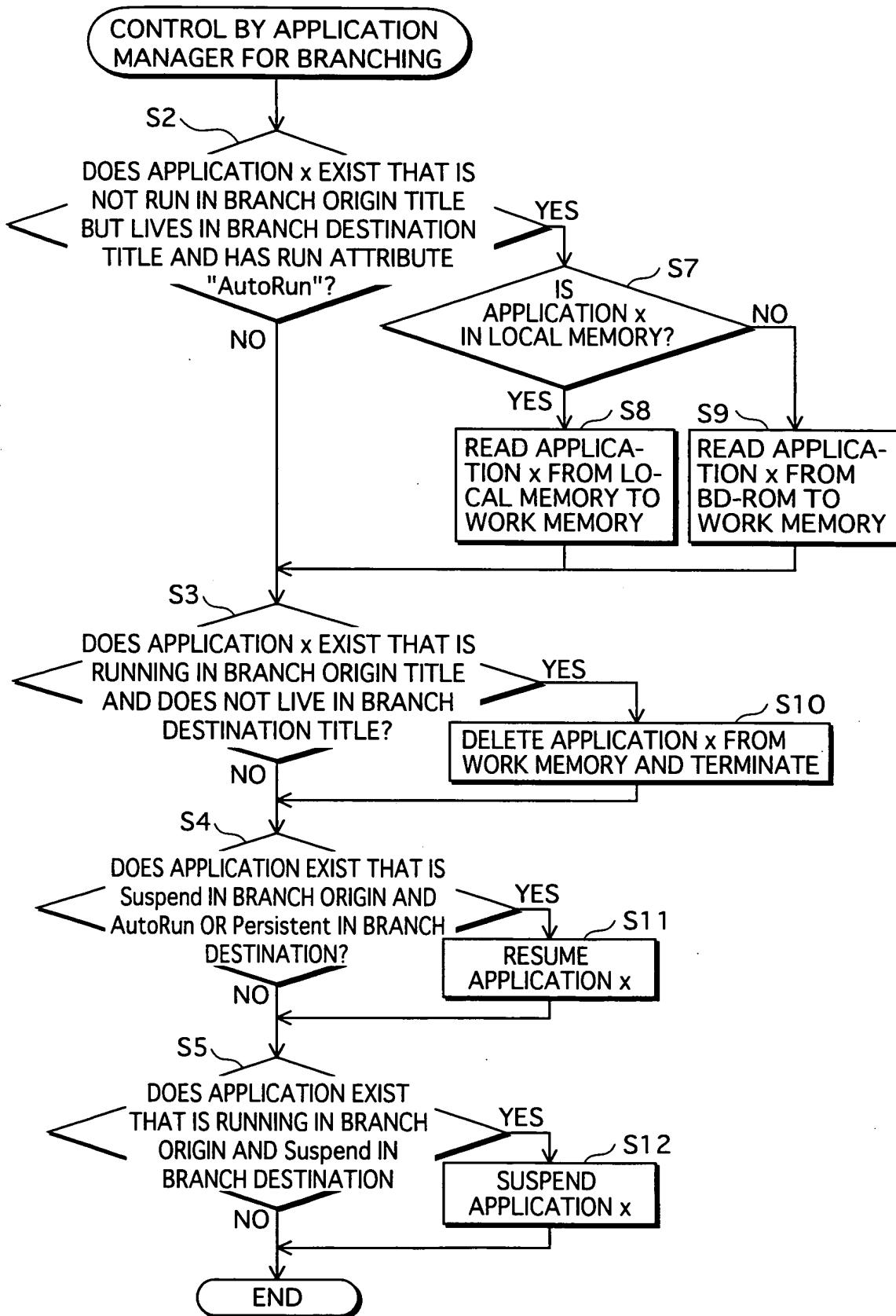


FIG. 23

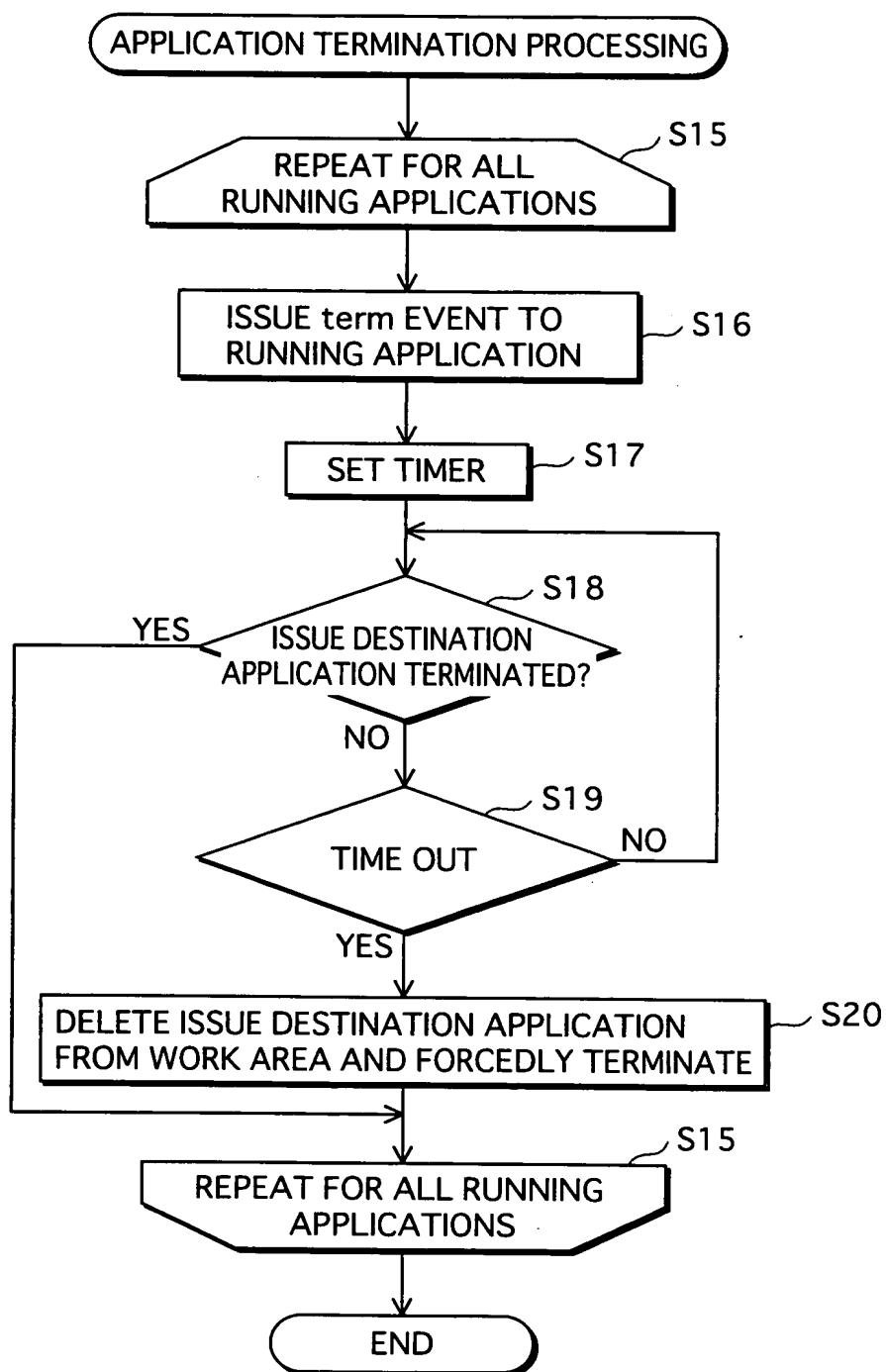


FIG. 24

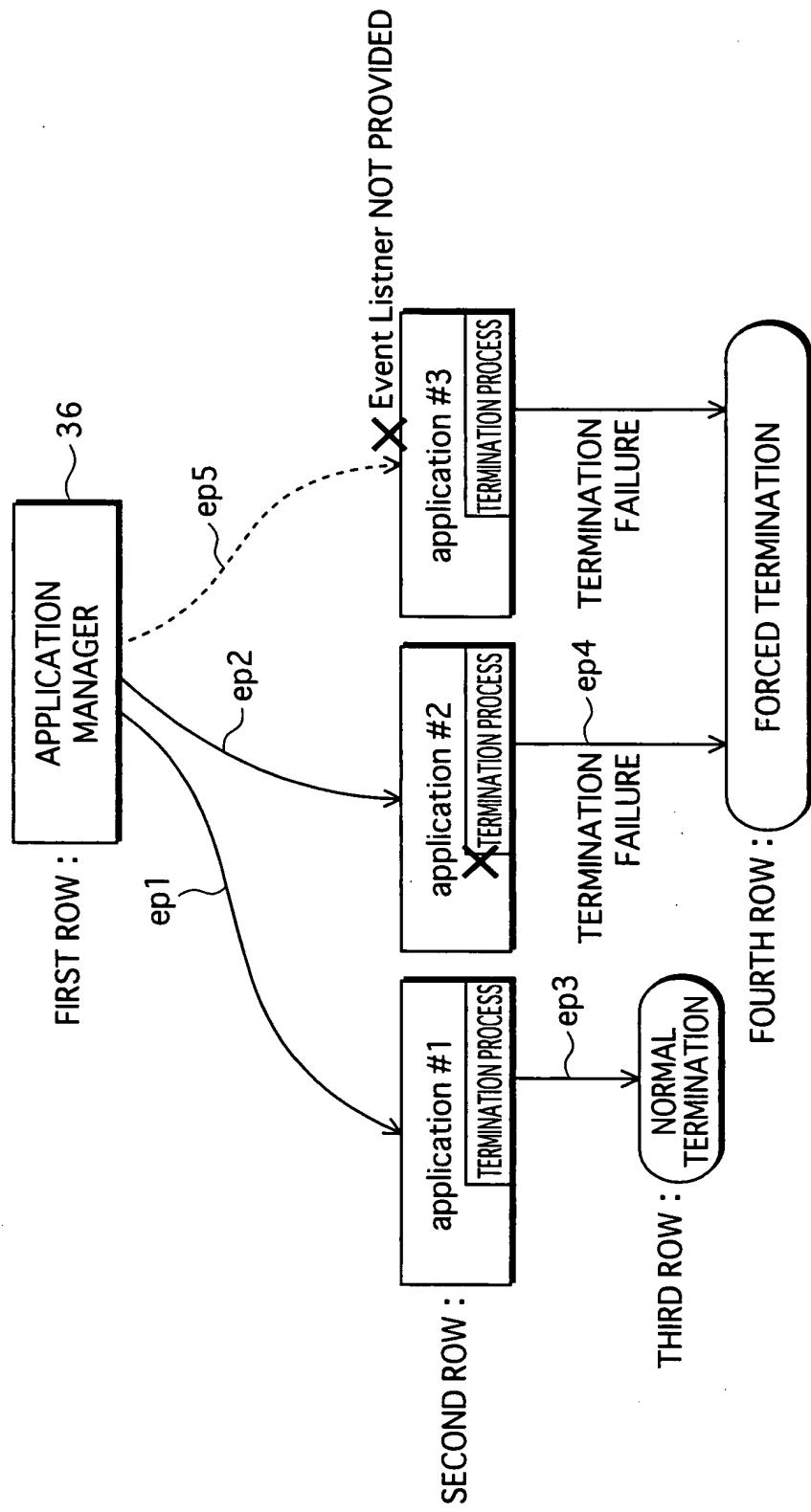


FIG. 25A APPLICATION MANAGEMENT TABLE

LIFE CYCLE	application ID	RUN ATTRIBUTE	RUN PRIORITY LEVEL
title #1	application #1	AutoRun	255
title #1 : chapter #2-#3	application #2	AutoRun	128
title #1 : chapter #4-#6	application #3	AutoRun	128

FIG. 25B

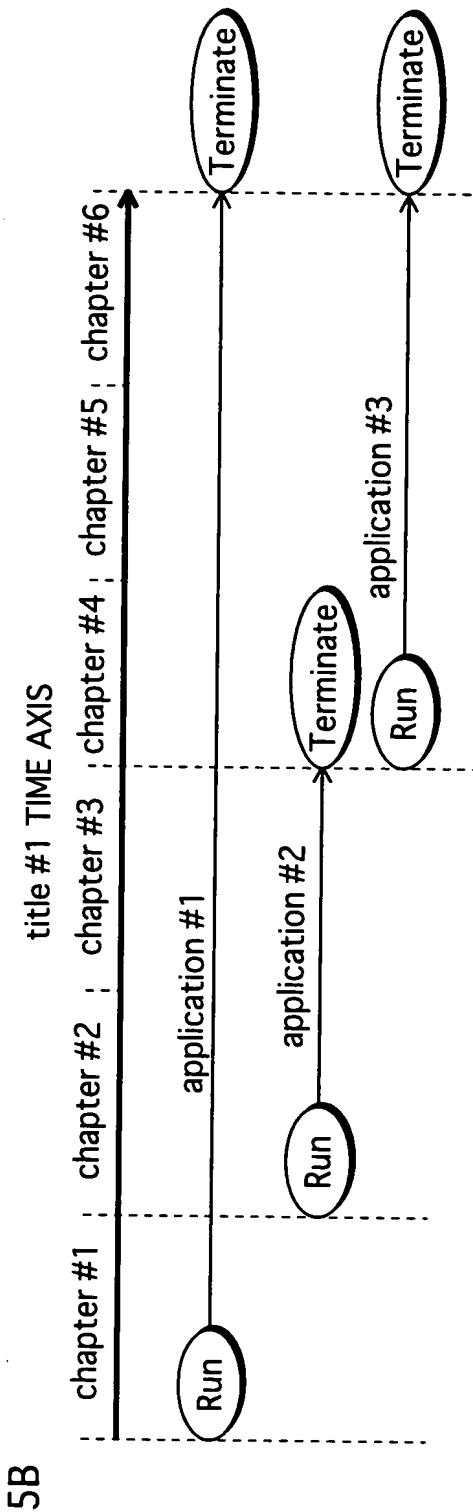


FIG. 26A

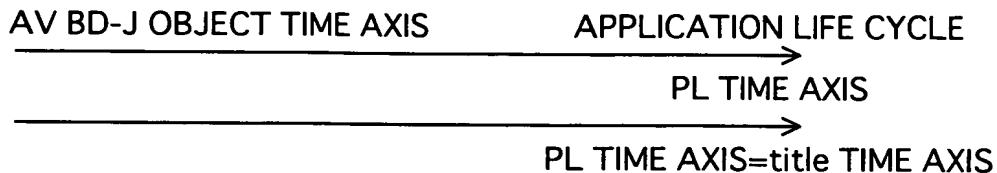


FIG. 26B

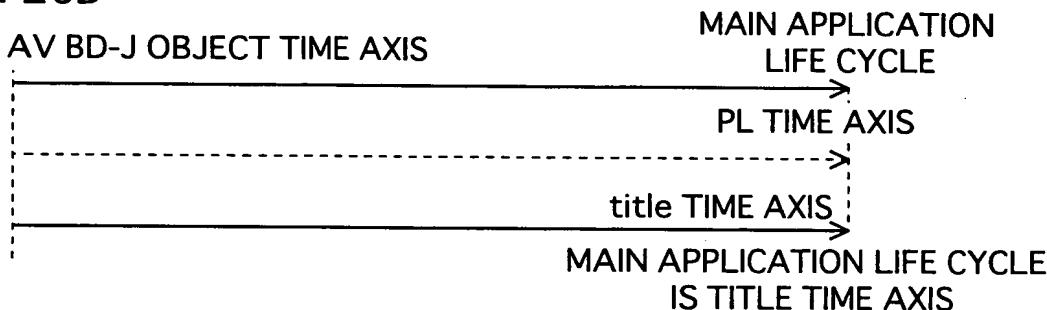
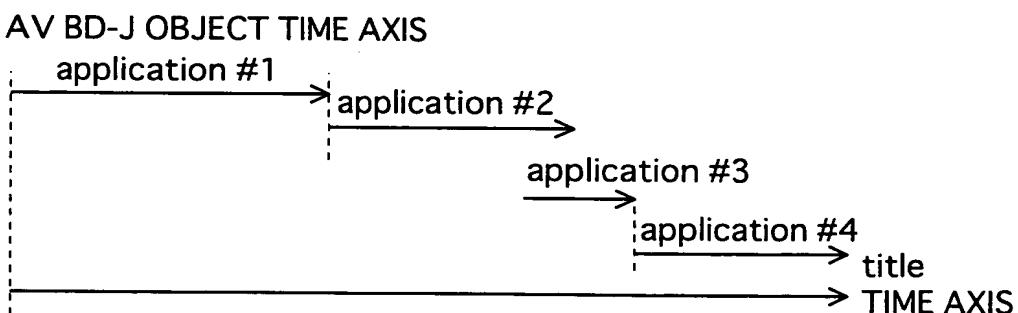


FIG. 26C



ACTIVATION POINT OF FIRST  
ACTIVATED APPLICATION  
THROUGH TO TERMINATION  
POINT OF LAST TERMINATED  
APPLICATION  
= TITLE TIME AXIS

FIG. 27

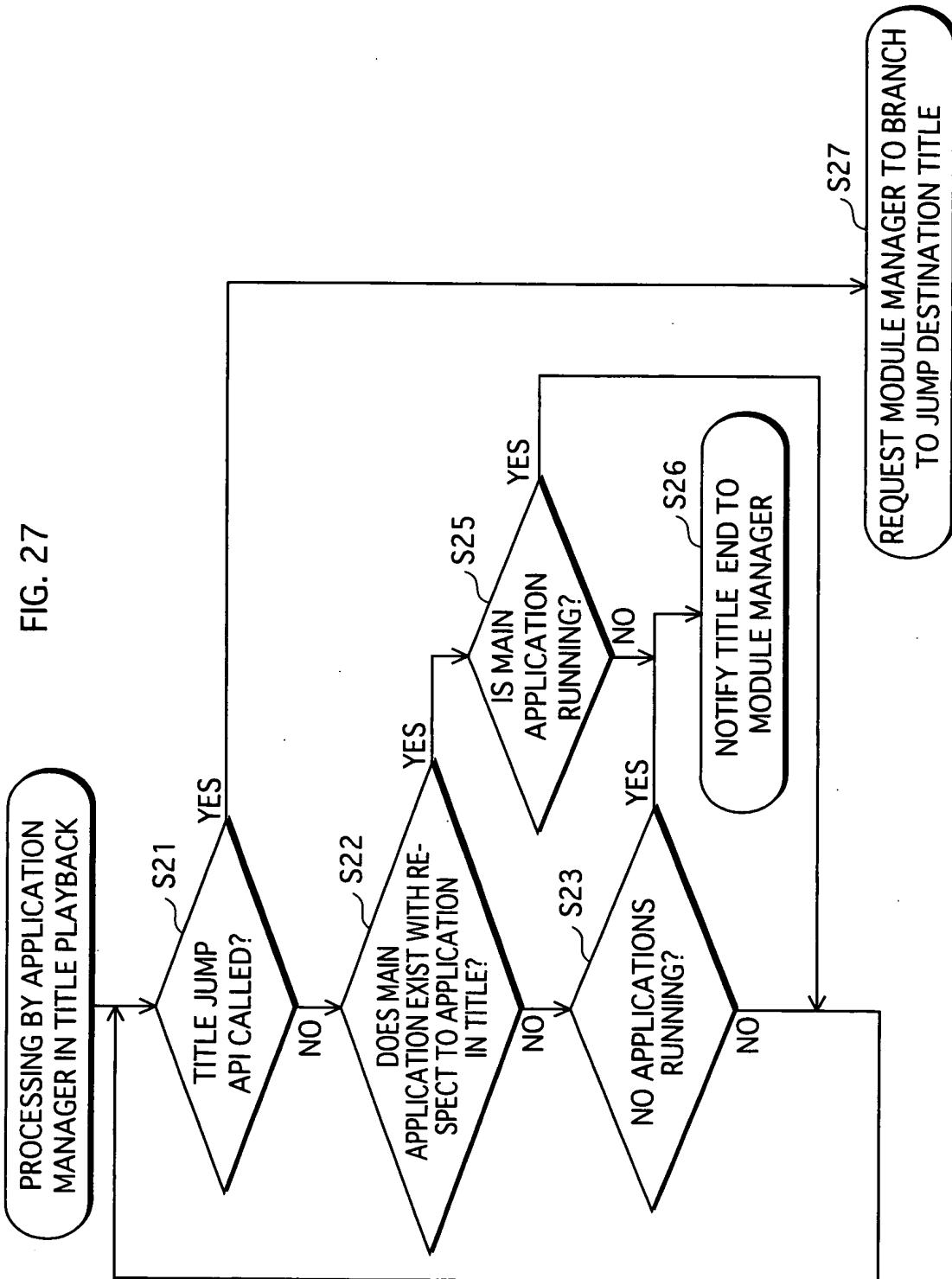


FIG. 28A

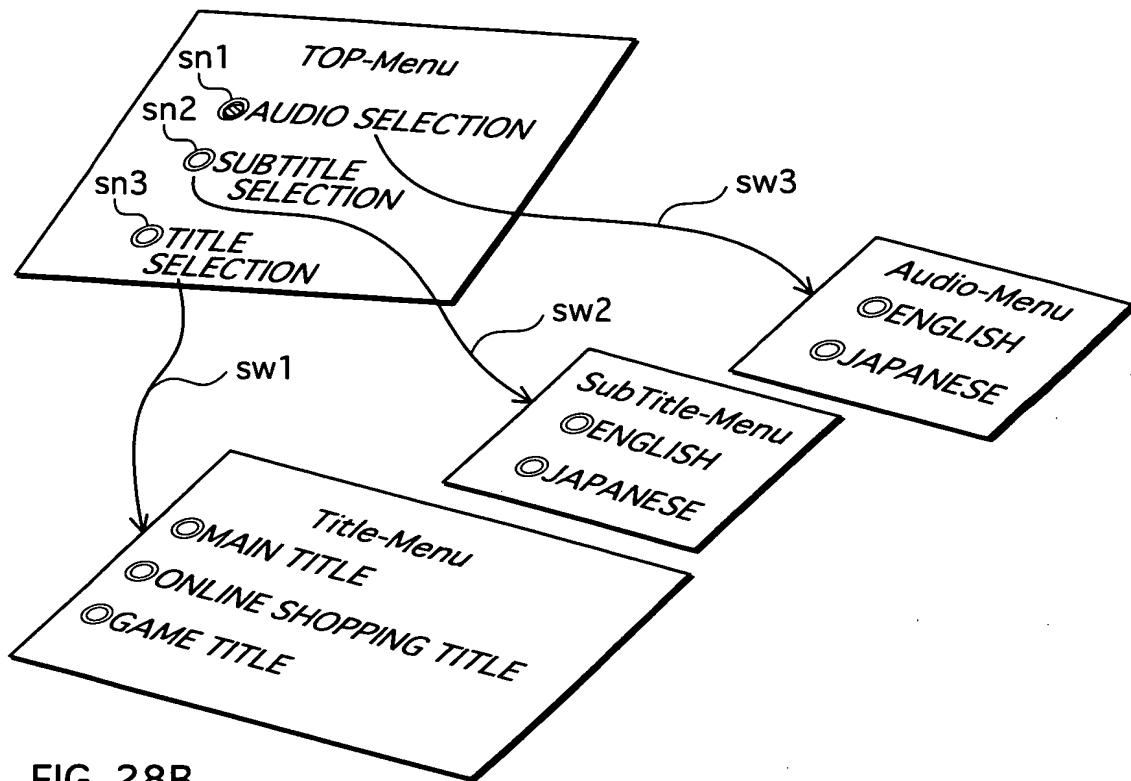


FIG. 28B

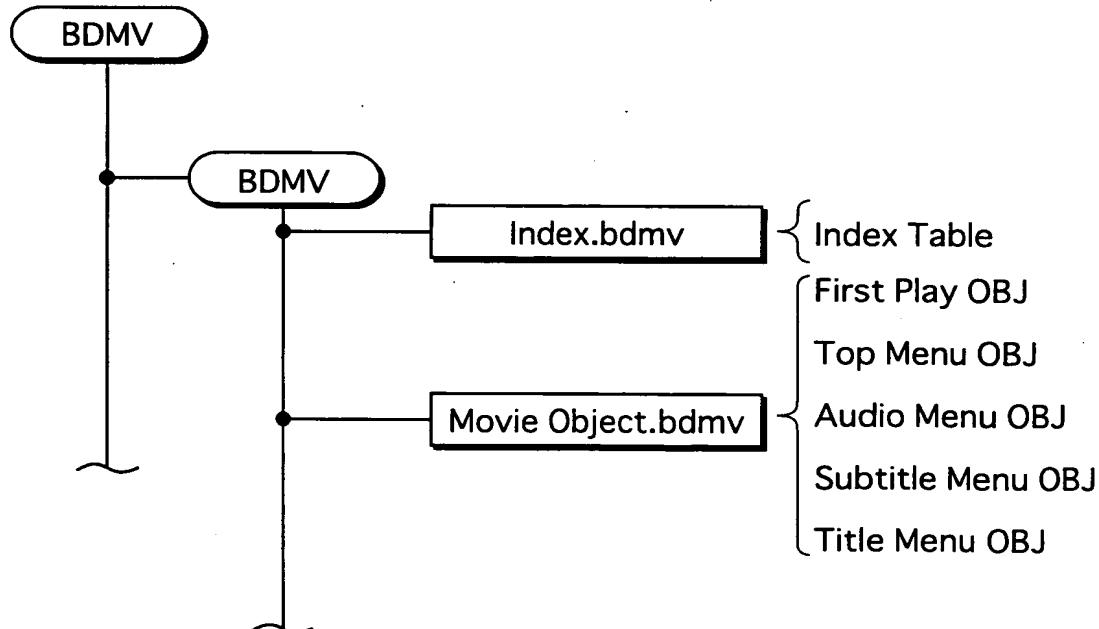


FIG. 29

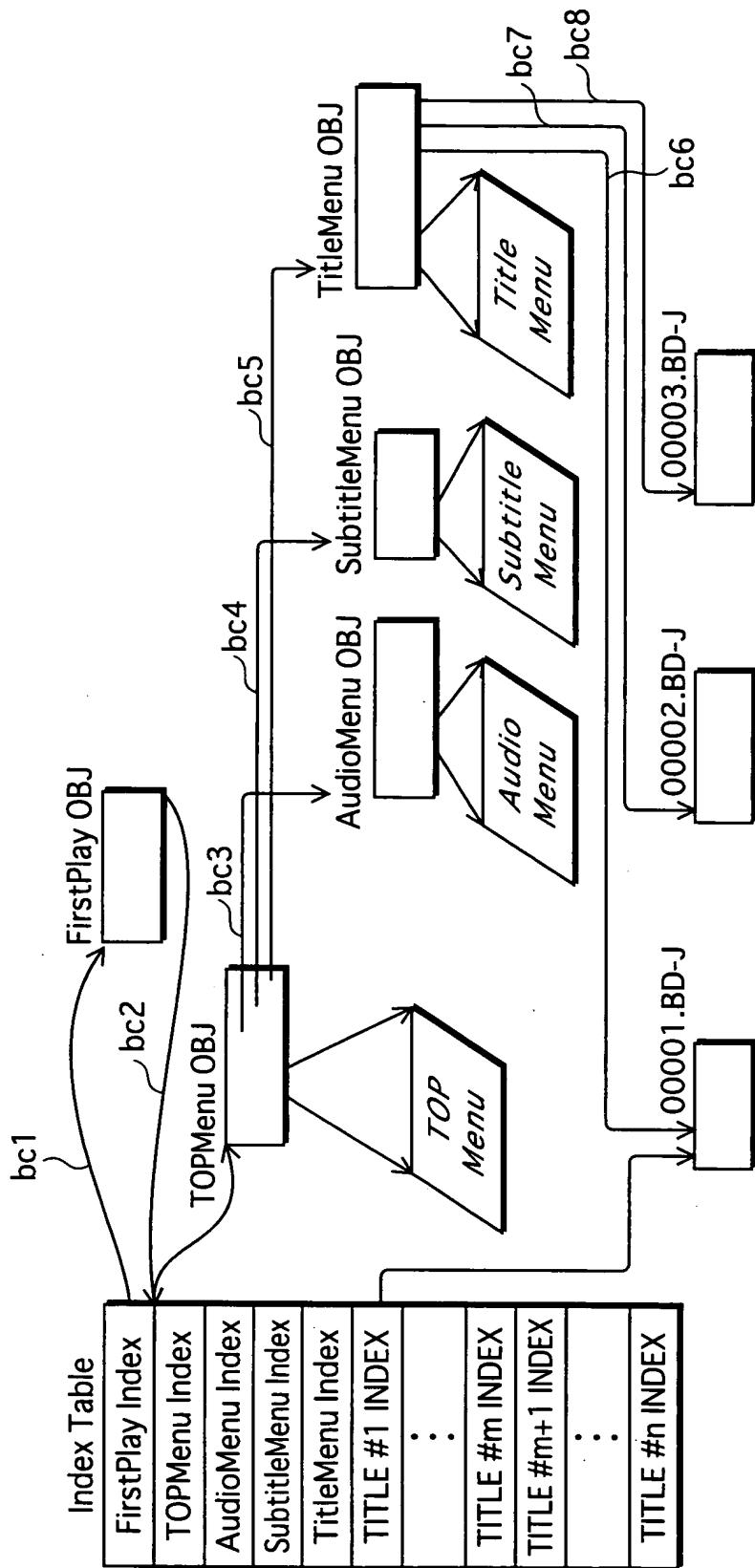


FIG. 30A

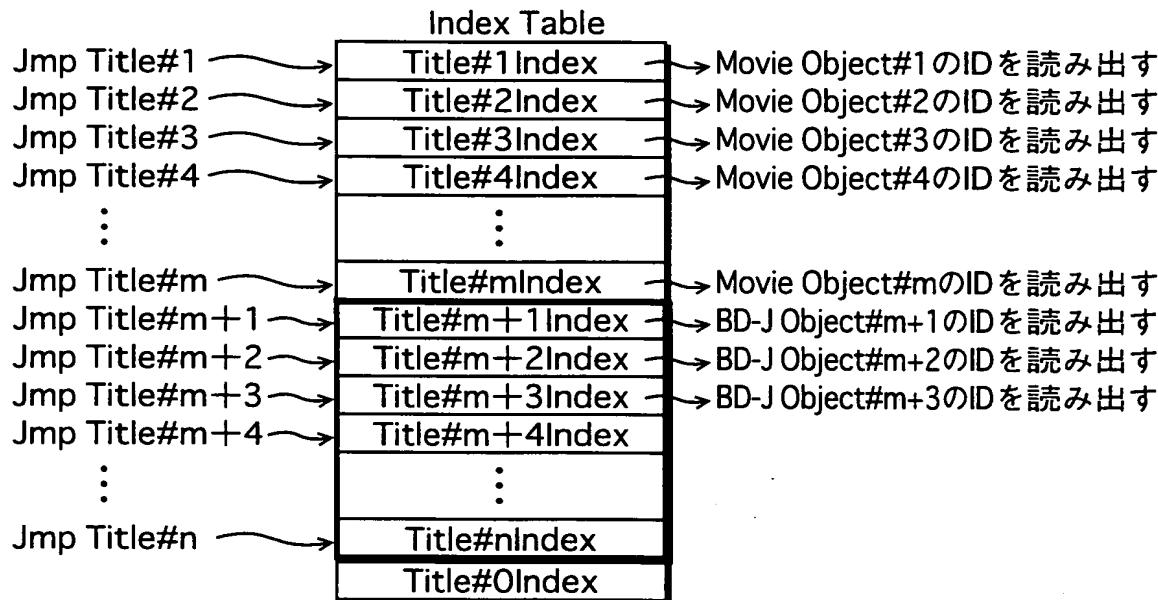


FIG. 30B

EXCEPTIONAL PROCESSING IN BD-J OBJECT EXECUTION

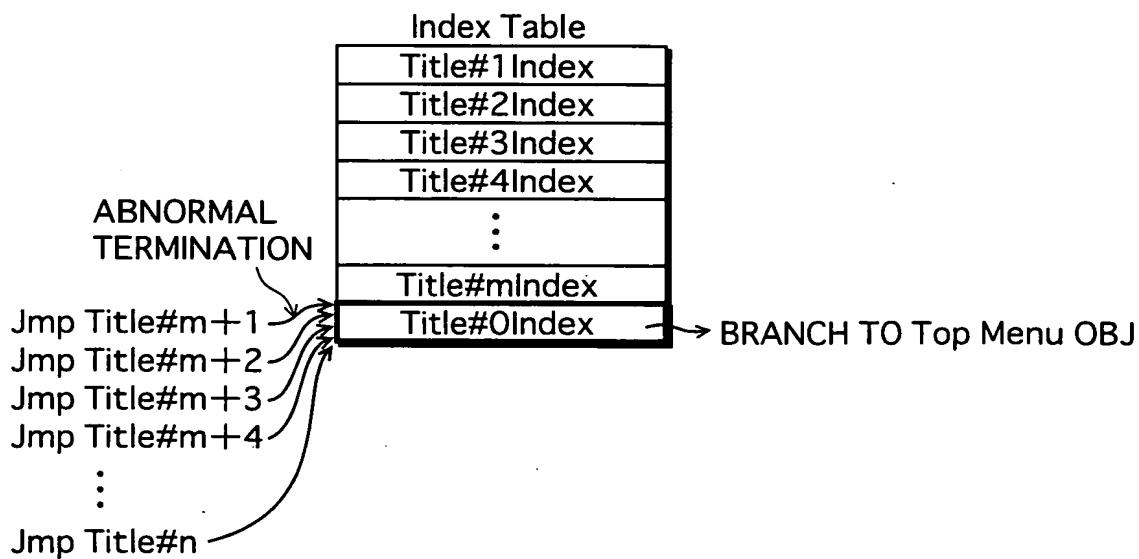


FIG. 31

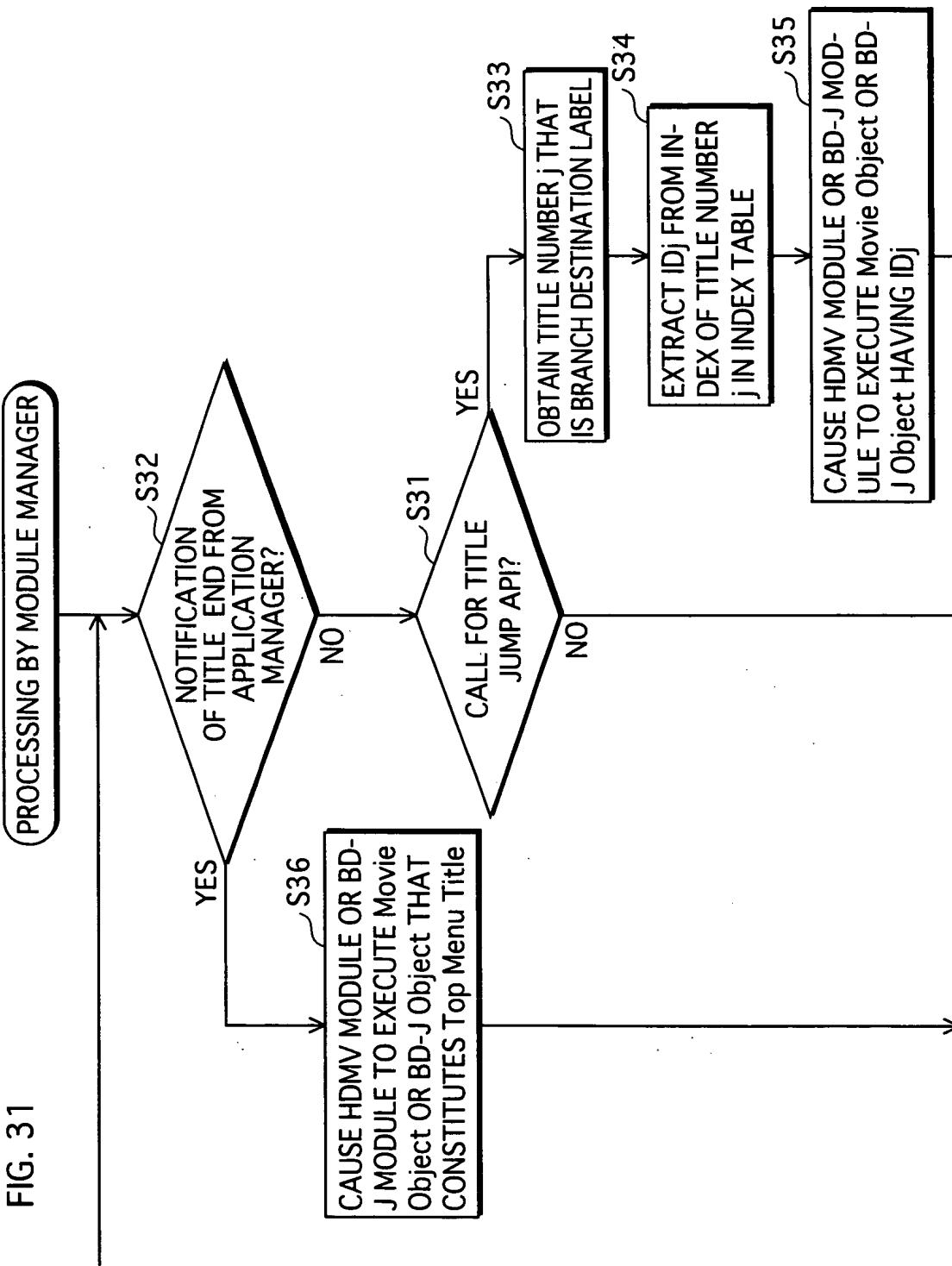


FIG. 32

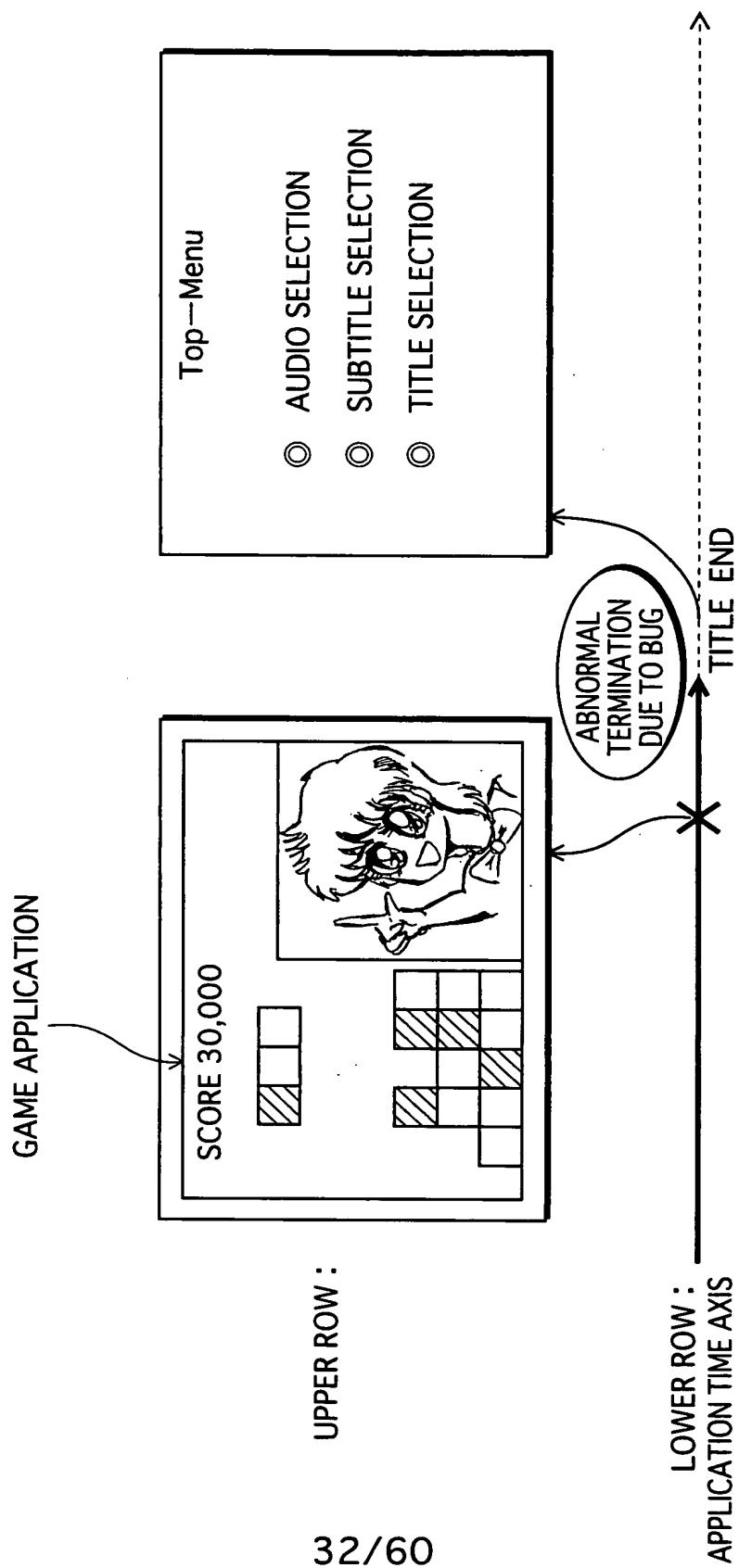


FIG. 33

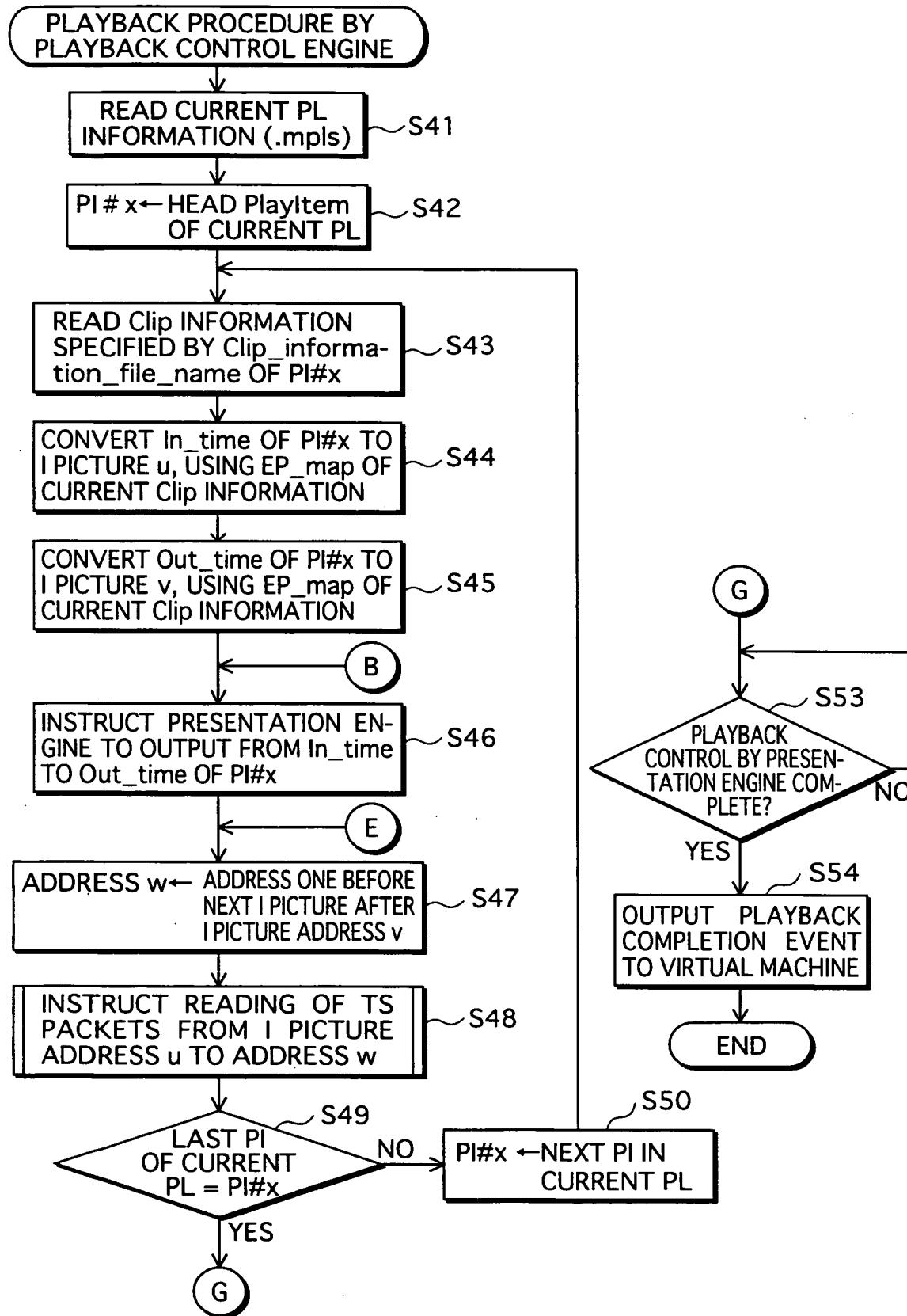


FIG. 34

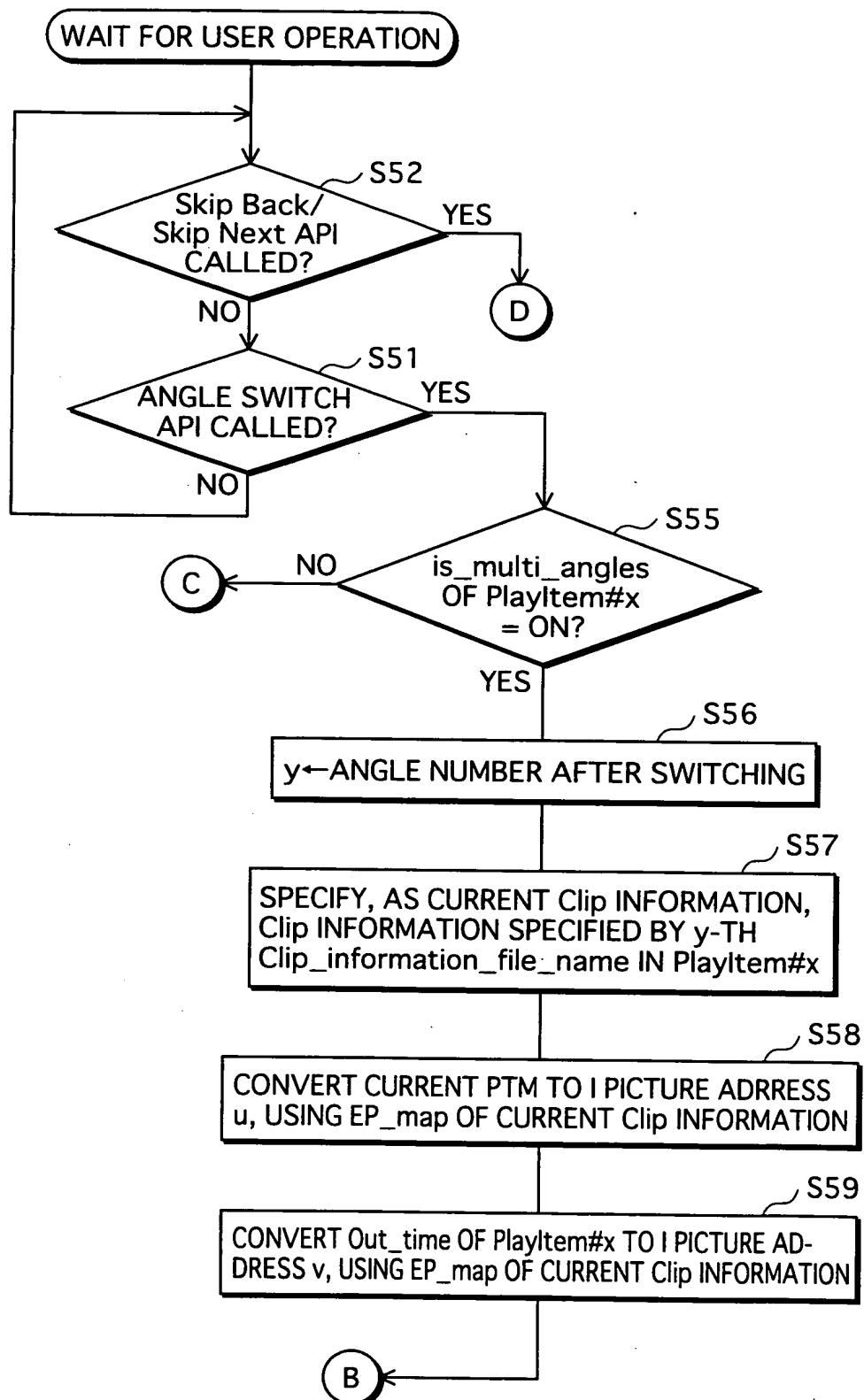


FIG. 35

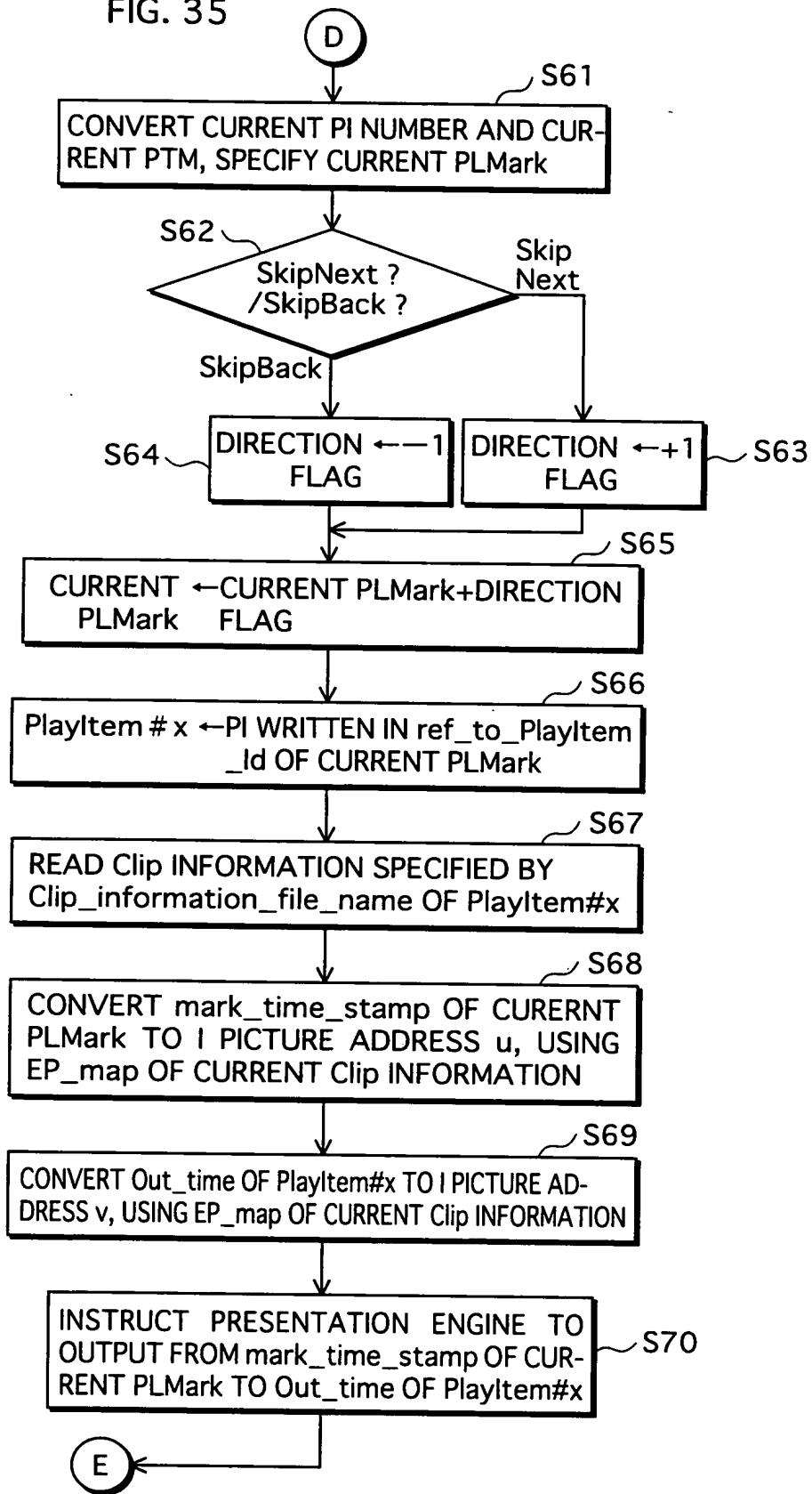


FIG. 36

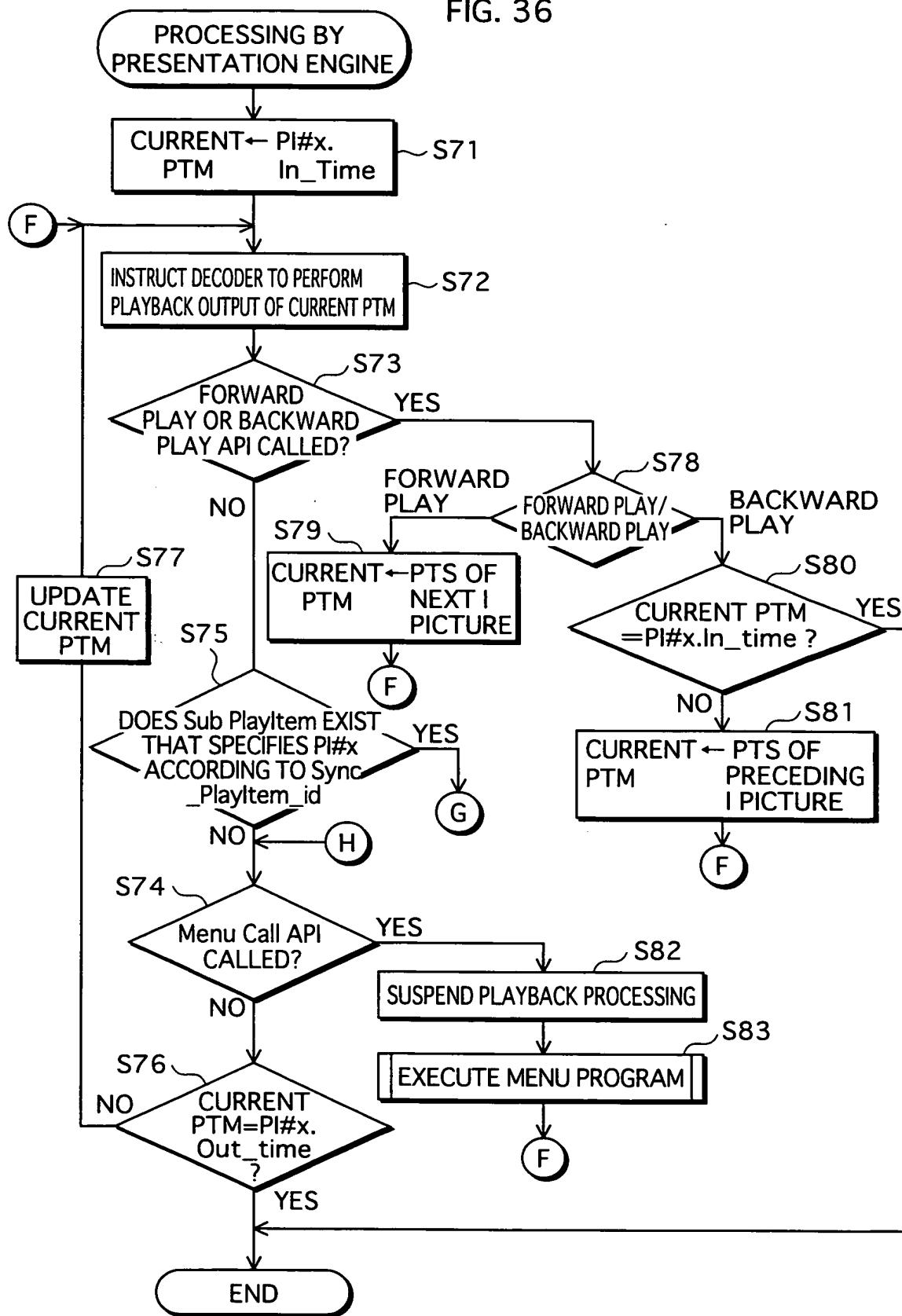


FIG. 37

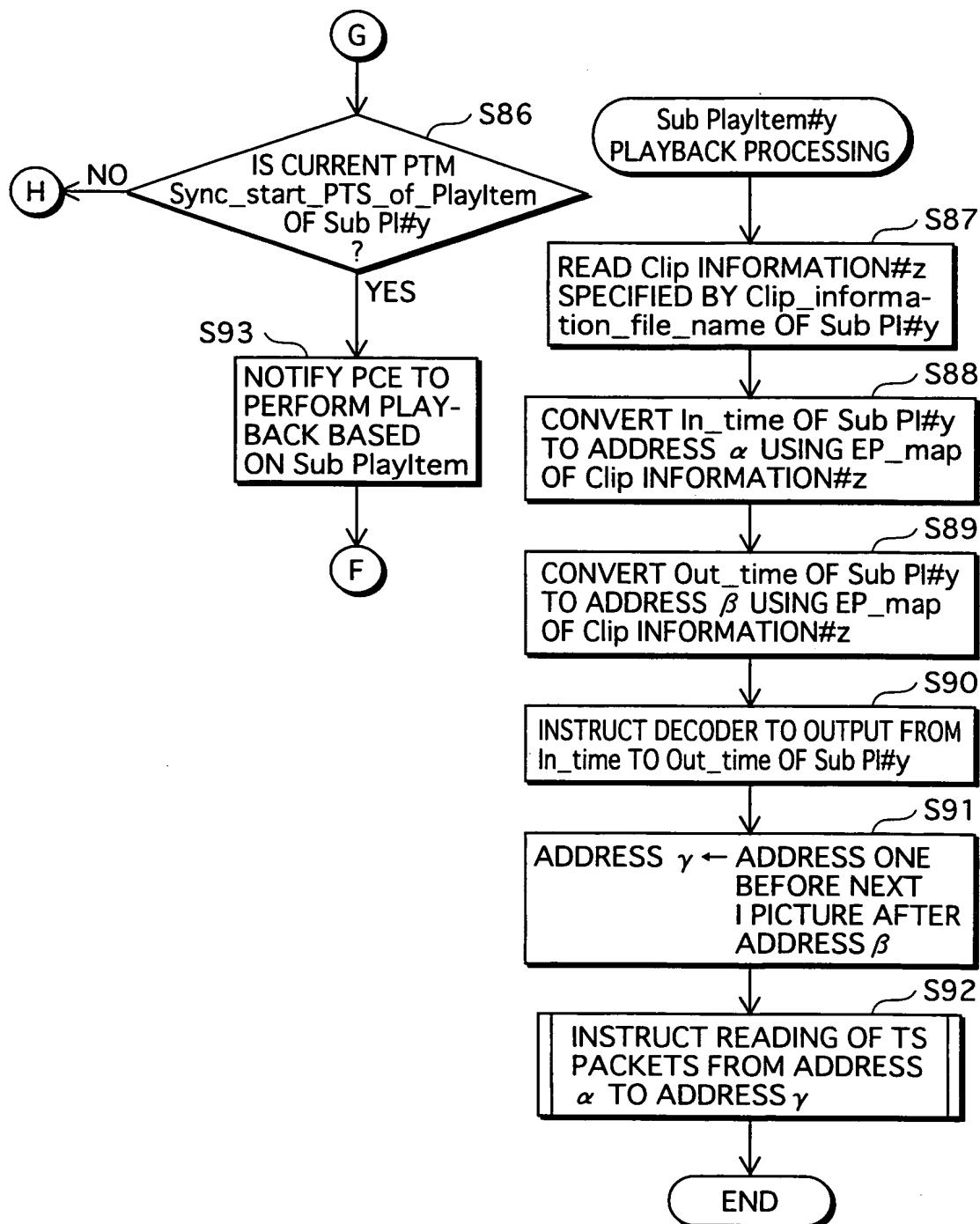


FIG. 38

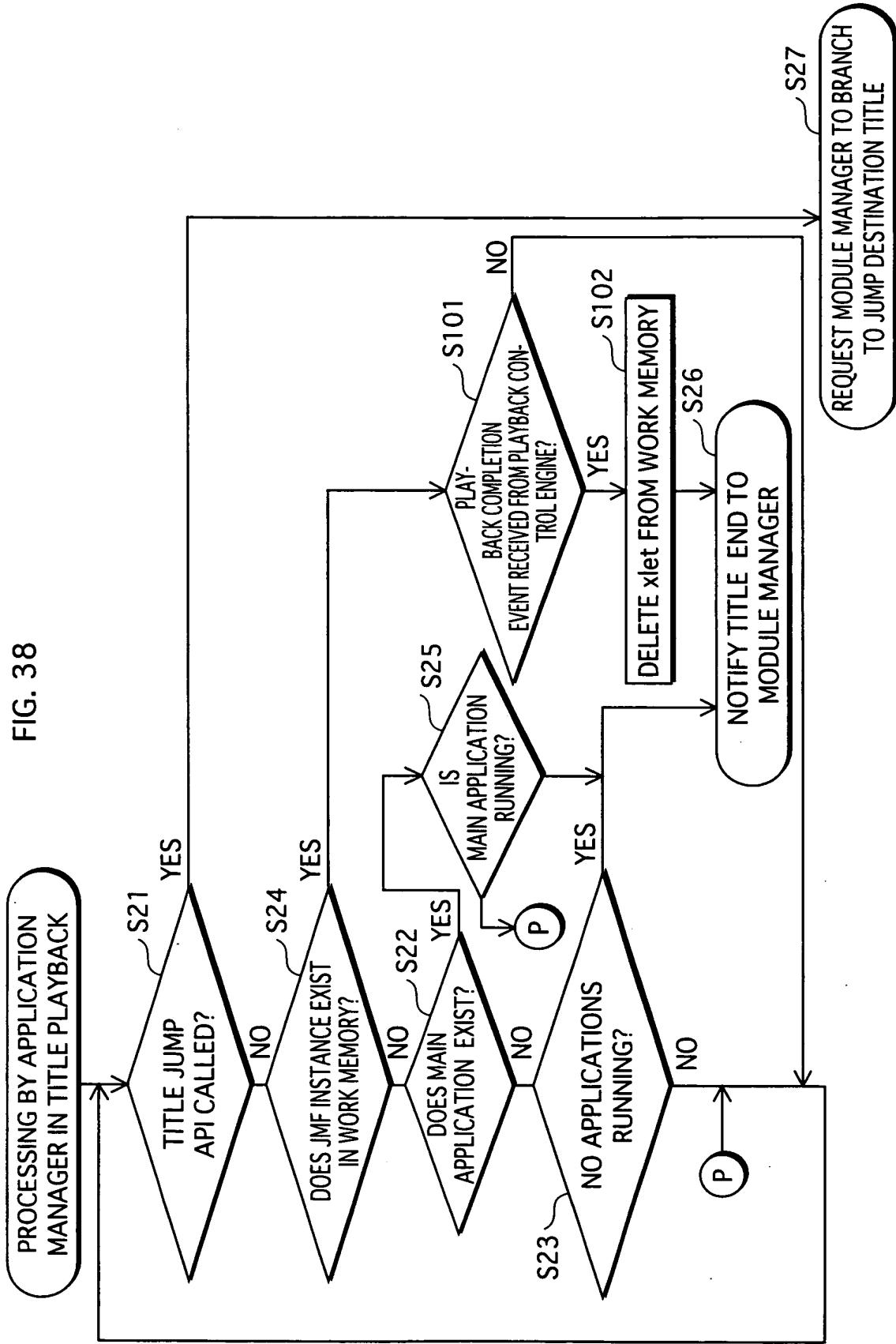


FIG. 39

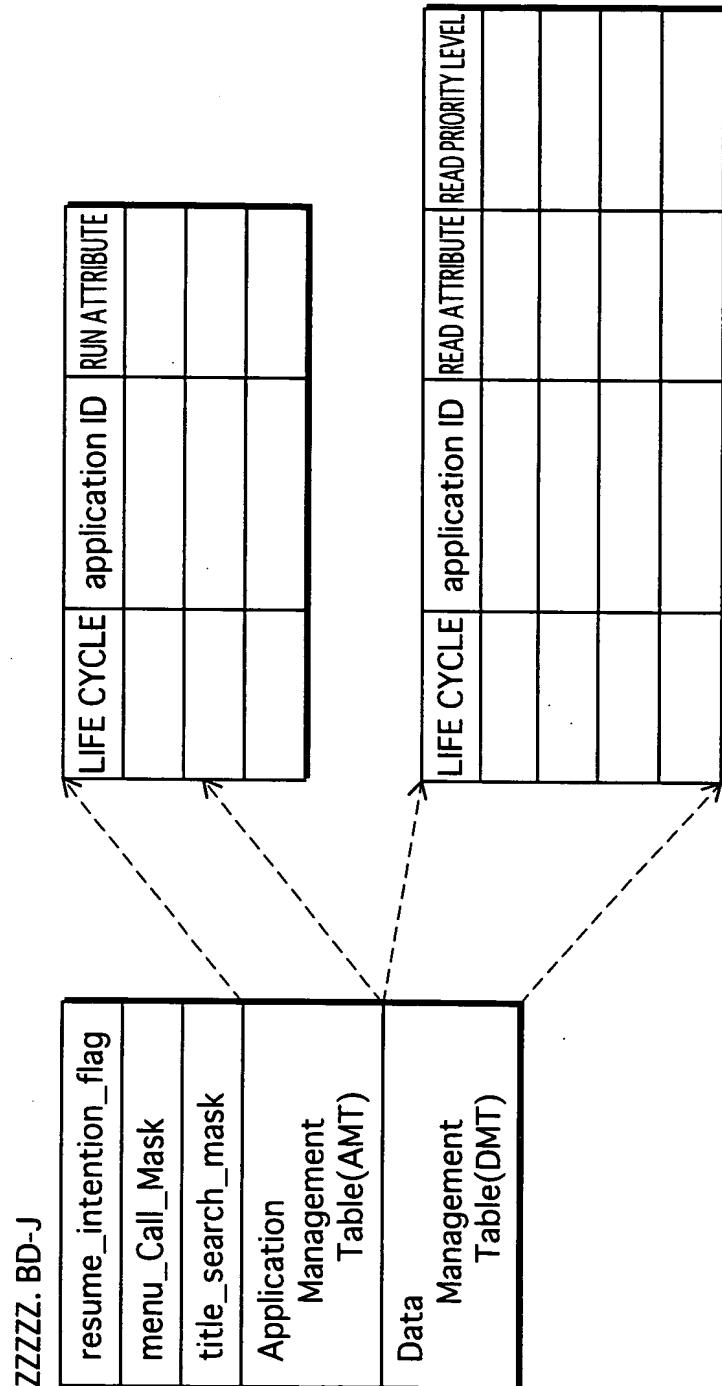


FIG. 40

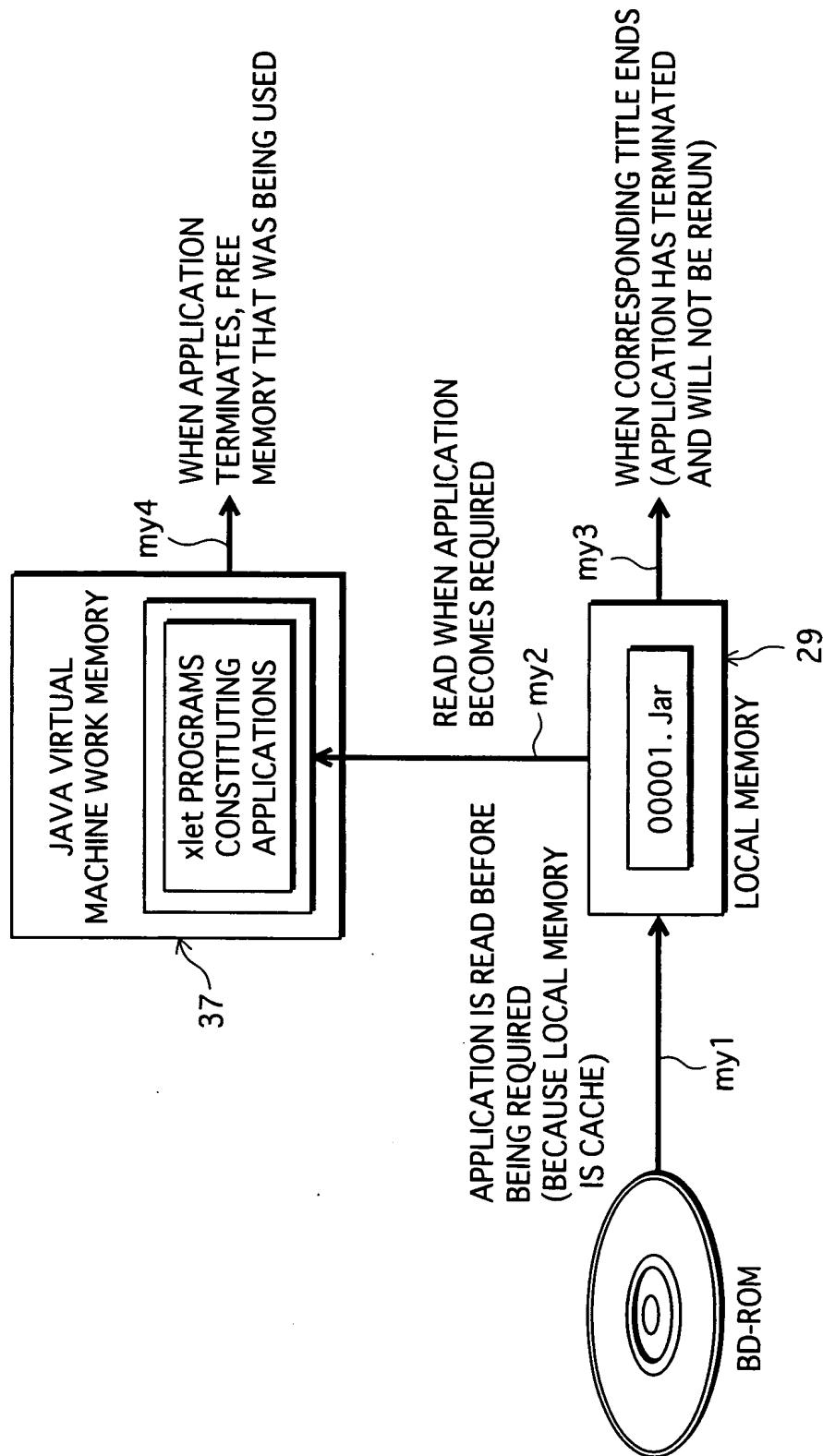


FIG. 41A

title #1 DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE	READ PRIORITY LEVEL
title #1	application #1		
title #1	application #2		

title #2 DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE	READ PRIORITY LEVEL
title #1	application #1		
title #2	application #2		

FIG. 41B

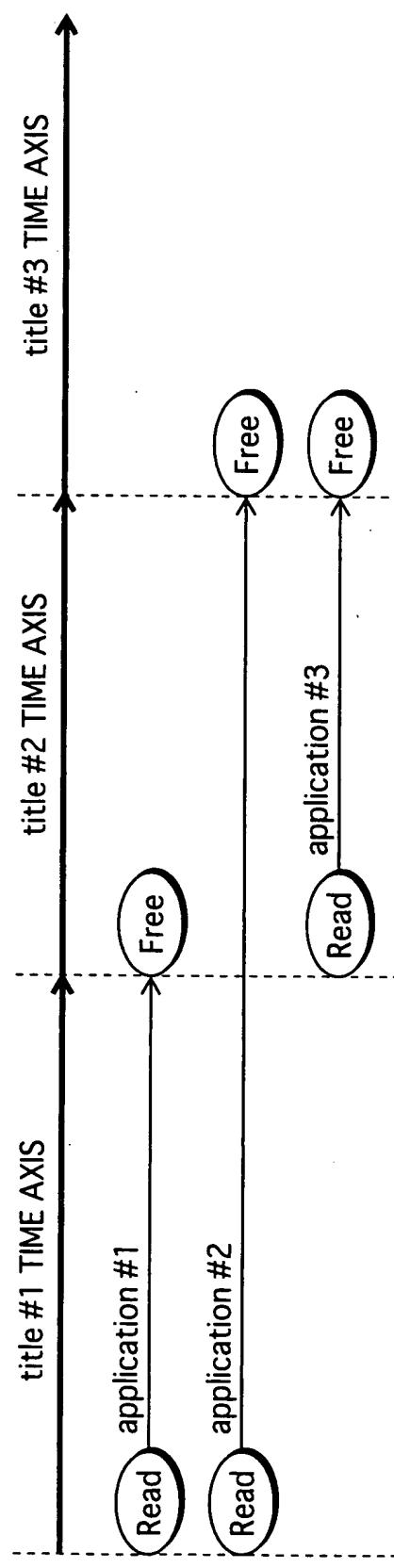


FIG. 42

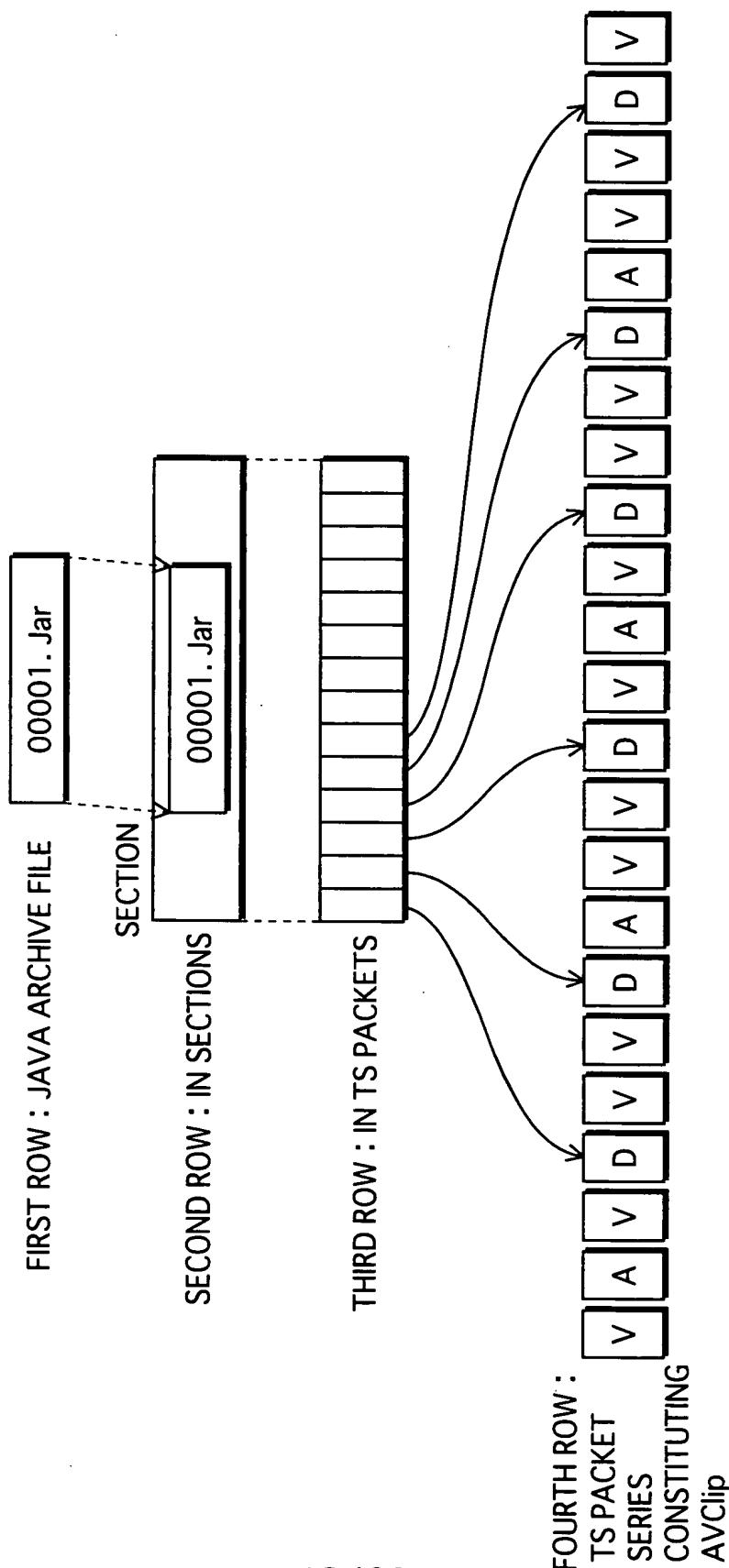


FIG. 43A

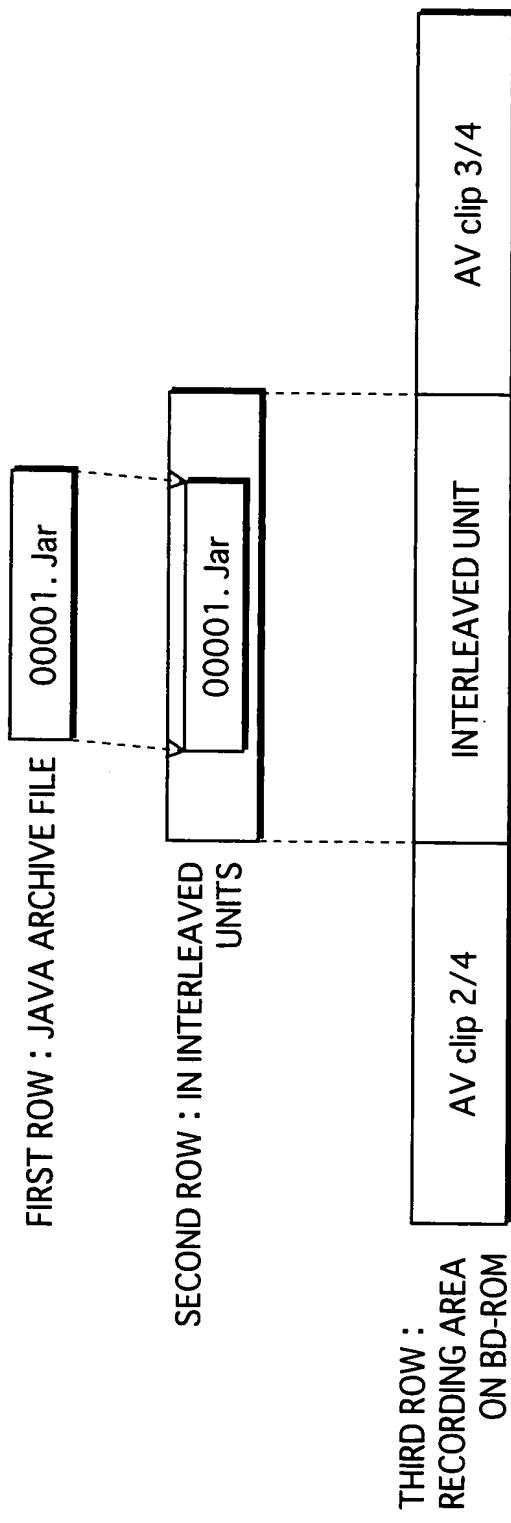


FIG. 43B

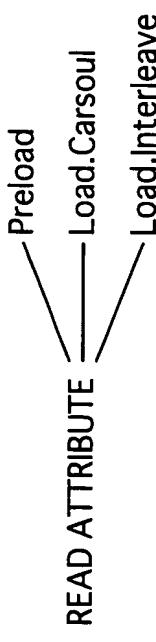
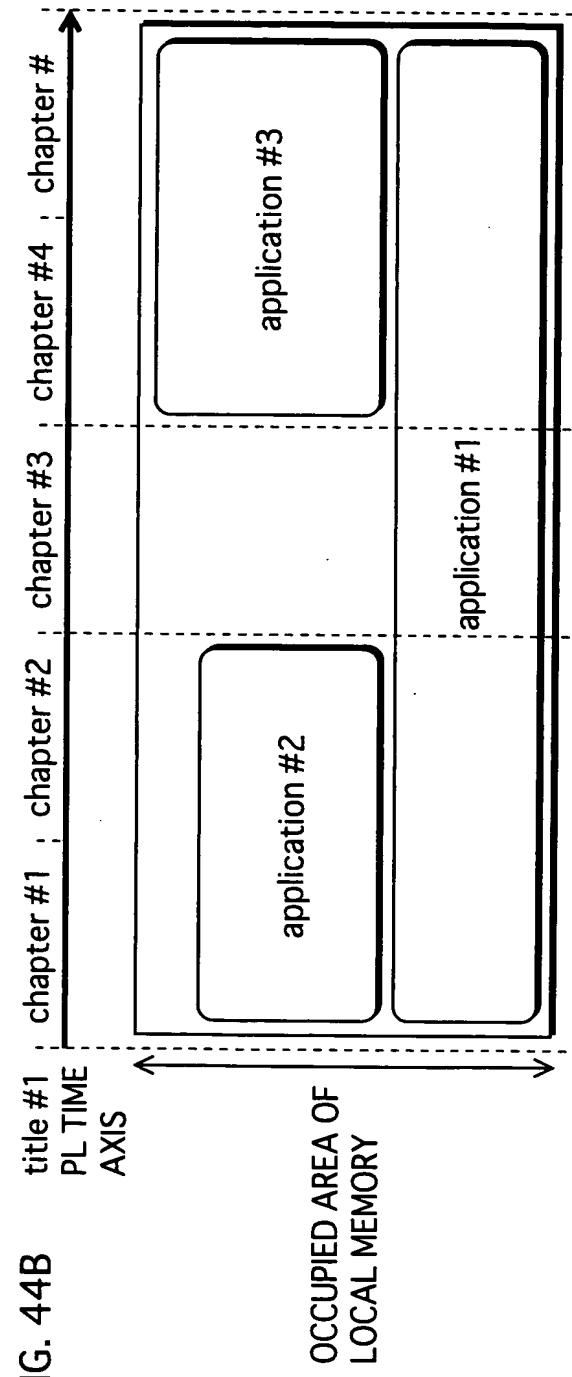


FIG. 44A title #1 DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE	READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1:chapter #1-#2	application #2	Load	optional
title #1:chapter #4-#5	application #3	Load	optional

FIG. 44B



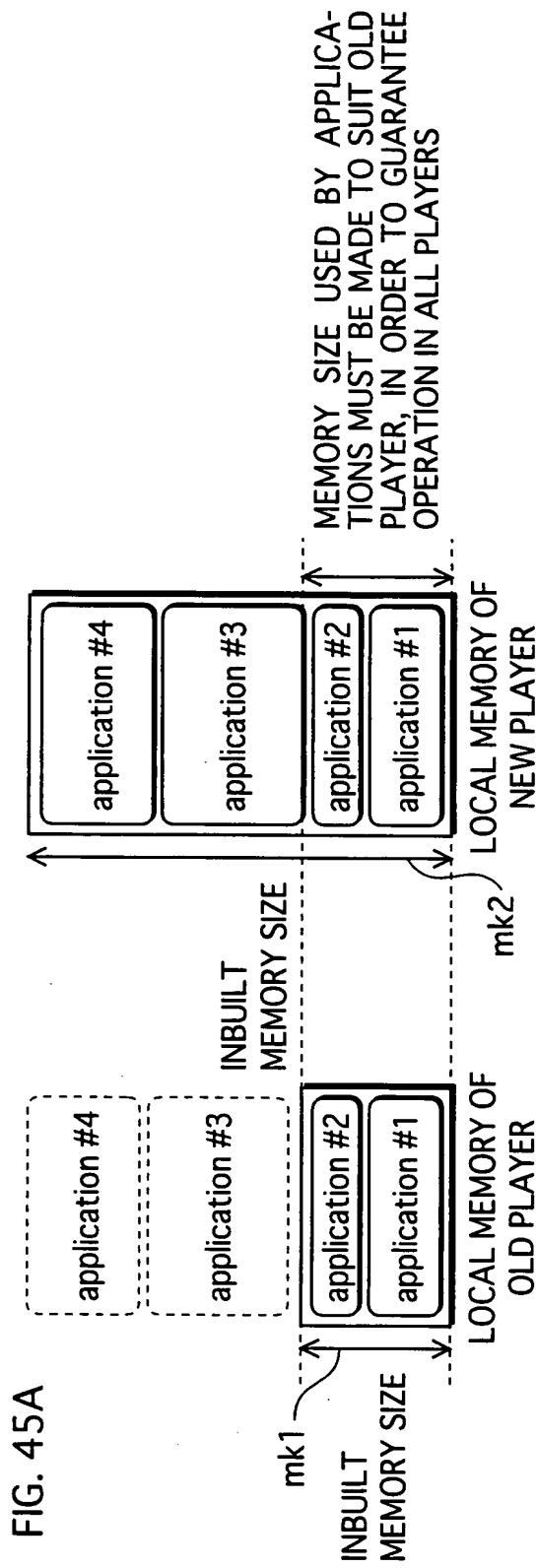


FIG. 45A

FIG. 45B  
title #1 DATA MANAGEMENT TABLE

TITLE NUMBER	APPLICATION ID	READ ATTRIBUTE	READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1	application #2	Preload	mandatory
title #1	application #3	Preload	optional
title #1	application #4	Preload	optional

FIG. 46

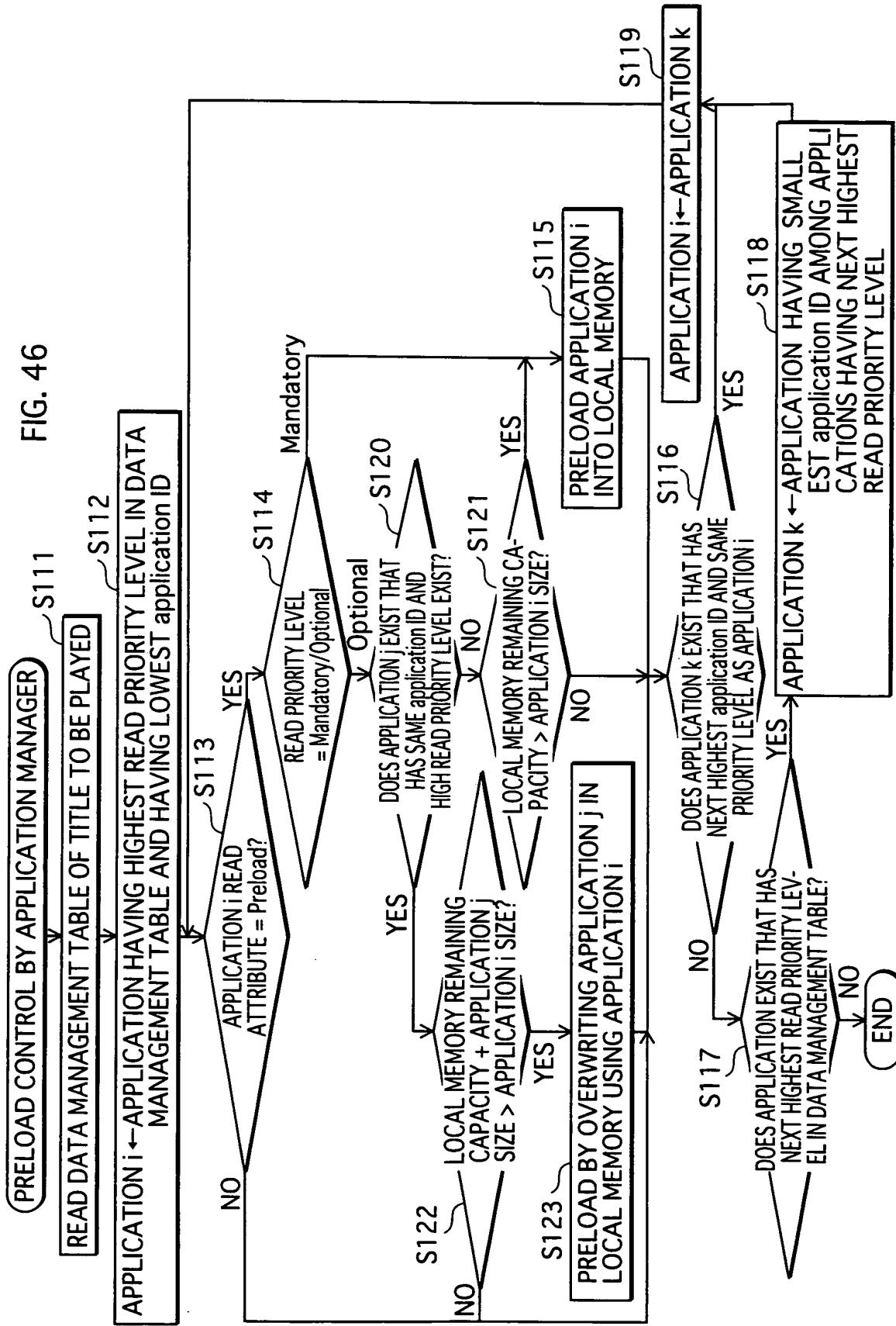


FIG. 47A title #1 DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE	READ PRIORITY
title #1	application #1	Preload	mandatory
title #1	application #1	Preload	optional:high
title #1	application #1	Preload	optional:low

FIG. 47B

OCCUPIED AREA OF LOCAL MEMORY

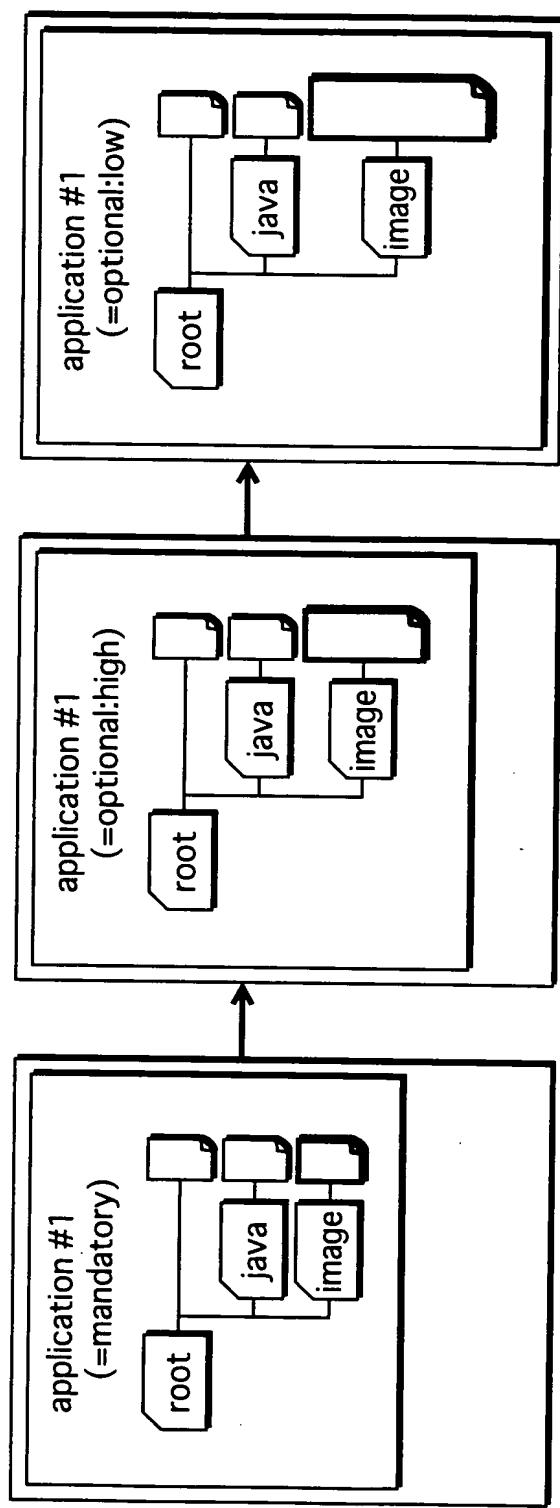
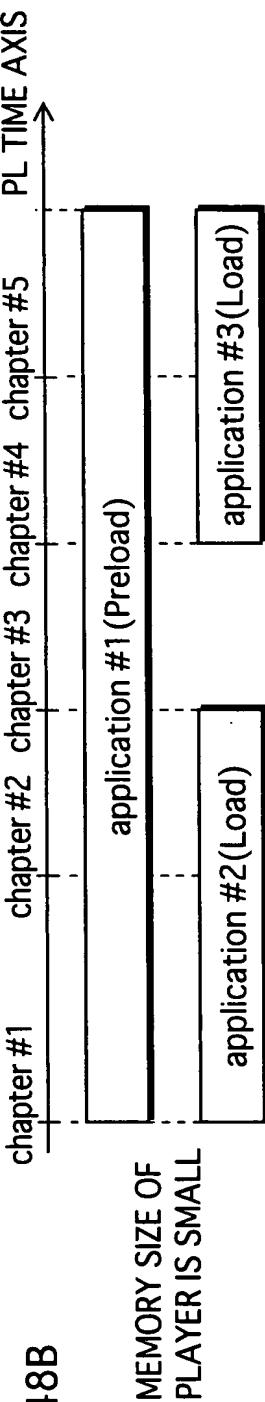


FIG. 48A title #1 DATA MANAGEMENT TABLE

	LIFE CYCLE	application ID	READ ATTRIBUTE	READ PRIORITY LEVEL
title #1	application #1	Preload		mandatory
title #1:chapter #1-#2	application #2	Load		mandatory
title #1:chapter #4-#5	application #3	Load		mandatory
title #1	application #3	Preload		optional

FIG. 48B



48/60

FIG. 48C

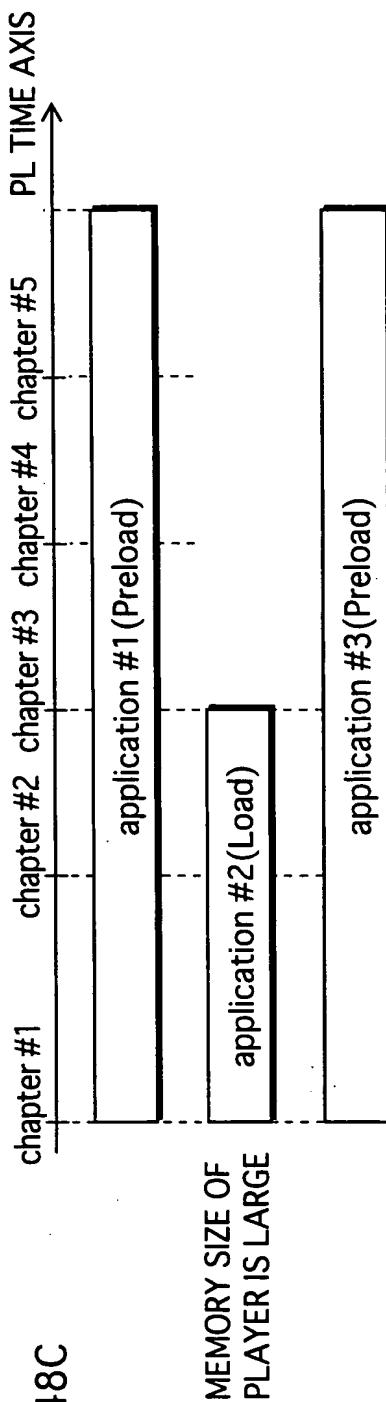
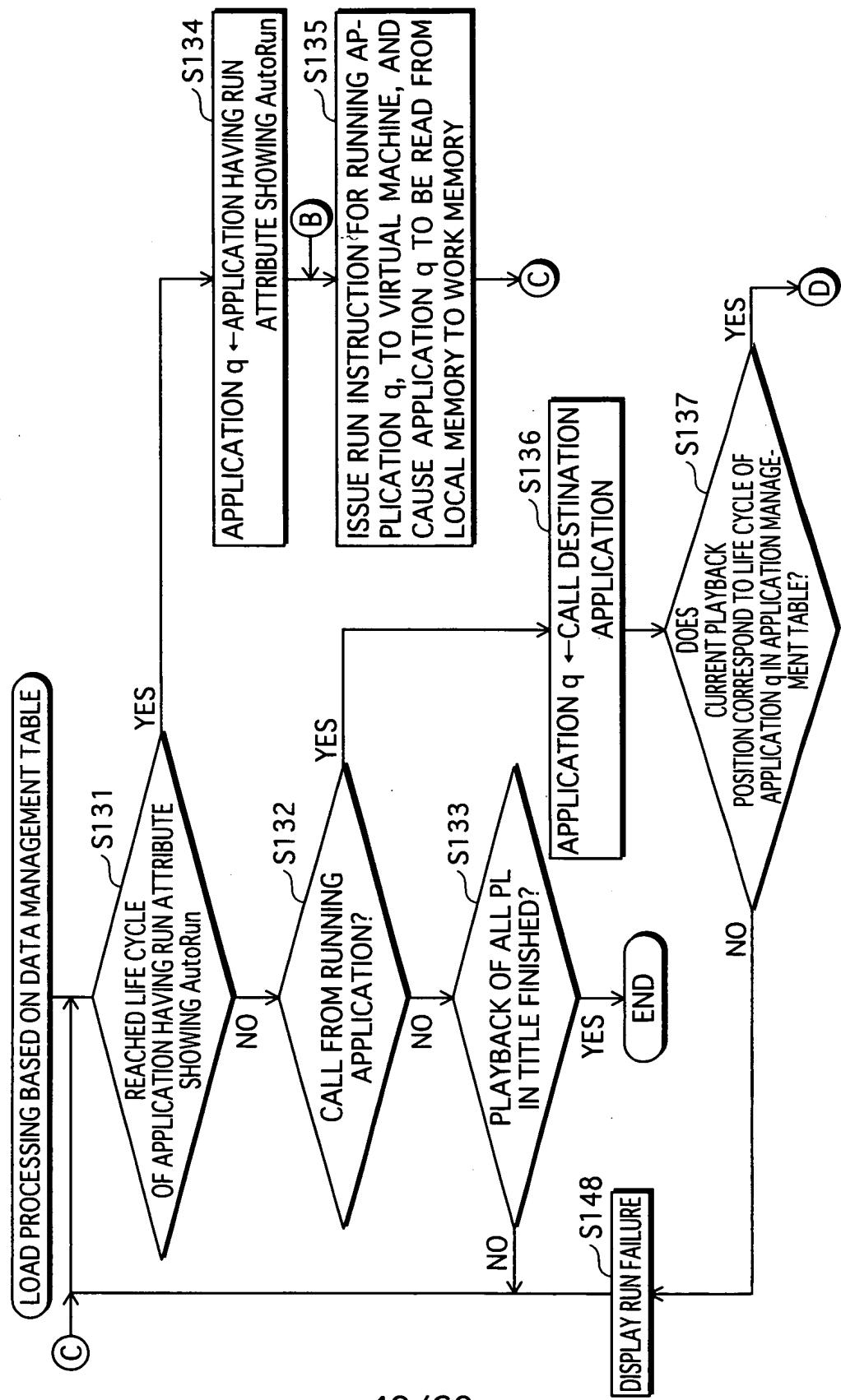


FIG. 49



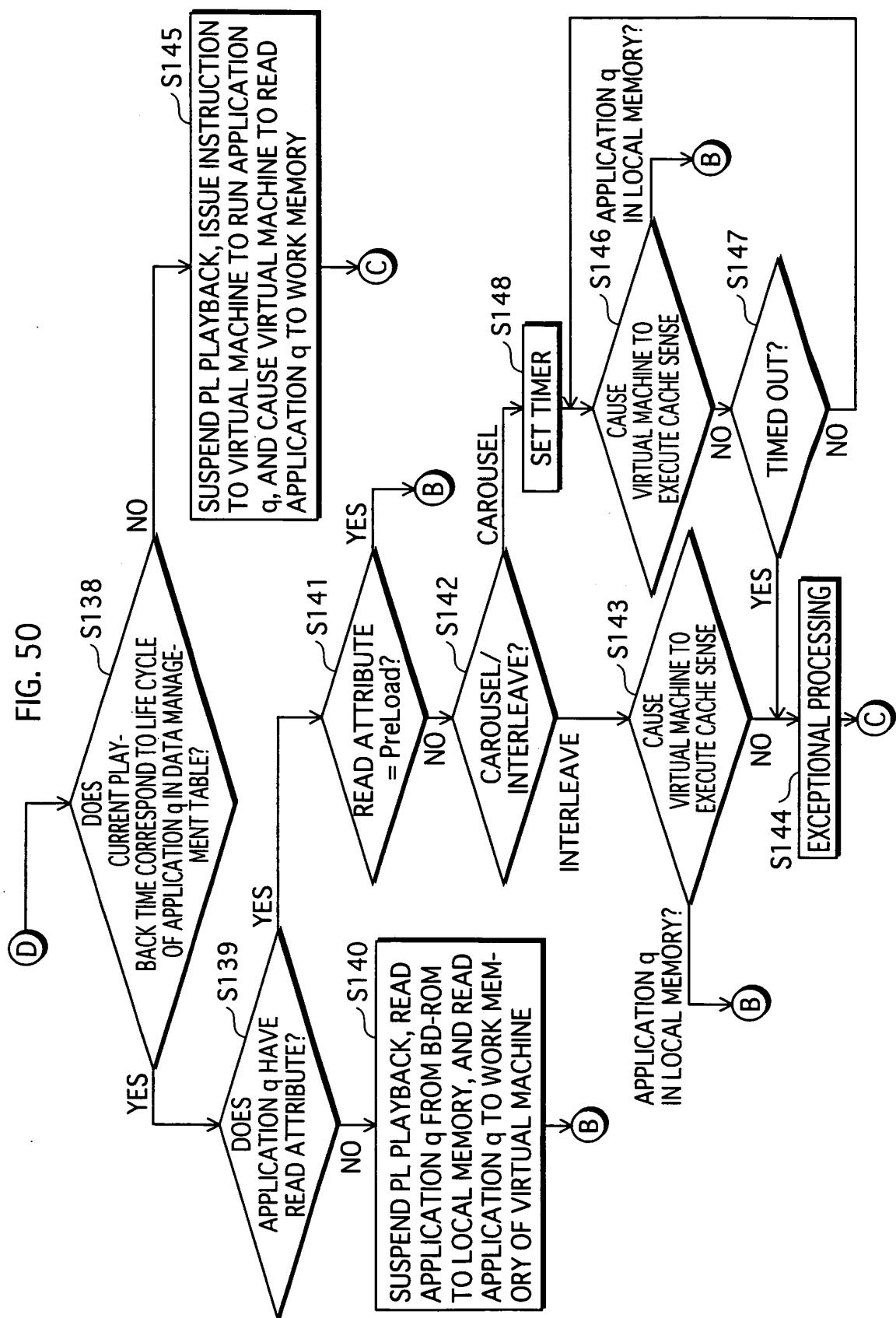


FIG. 51

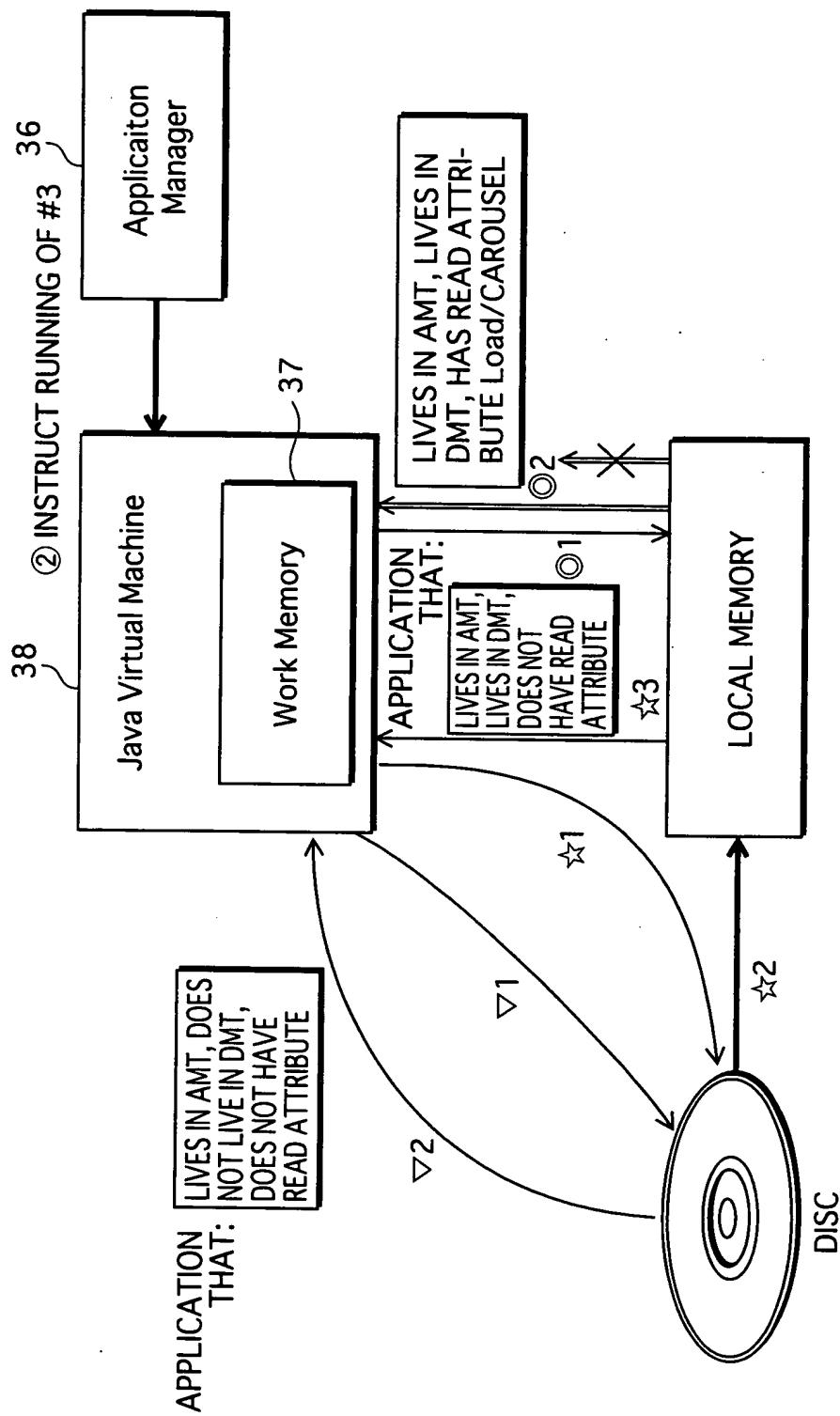


FIG. 52A

zzzzz.BD-J

resume_intention_flag
menu_Call_Mask
title_search_mask
Application Management Table(AMT)
Data Management Table(DMT)
PlayList Management Table(PLMT)

FIG. 52B

PL MANAGEMENT TABLE

PLAYLIST ID	PLAYBACK ATTRIBUTE
--	Auto Play
--	--

FIG. 52C

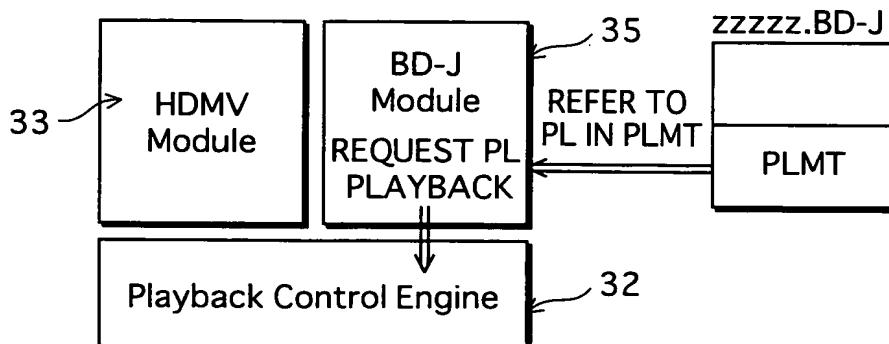


FIG. 53A

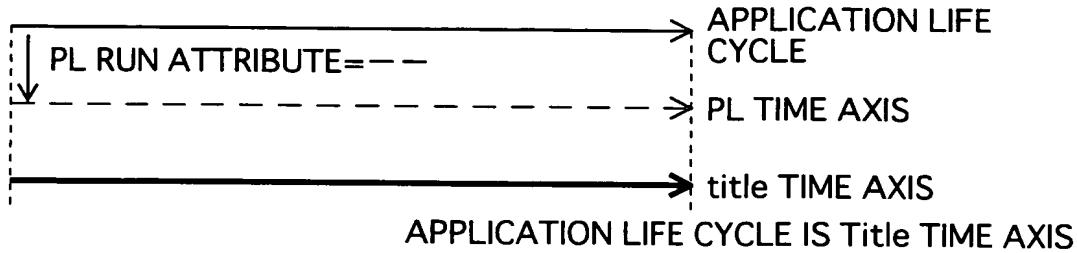


FIG. 53B

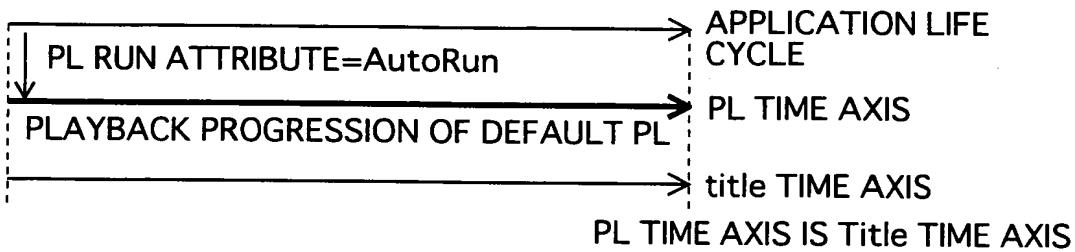


FIG. 53C

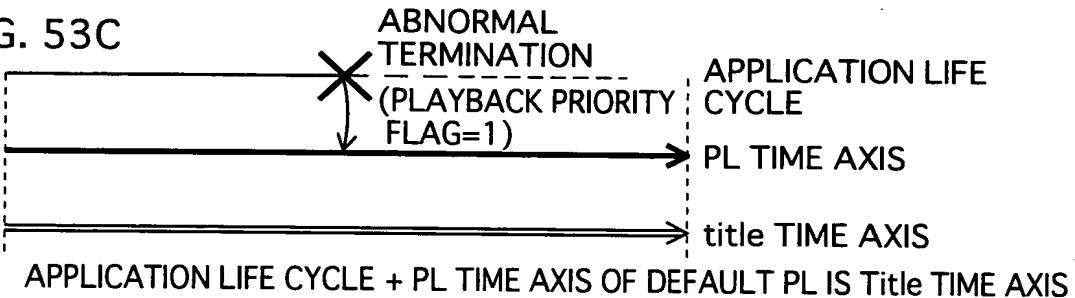


FIG. 53D

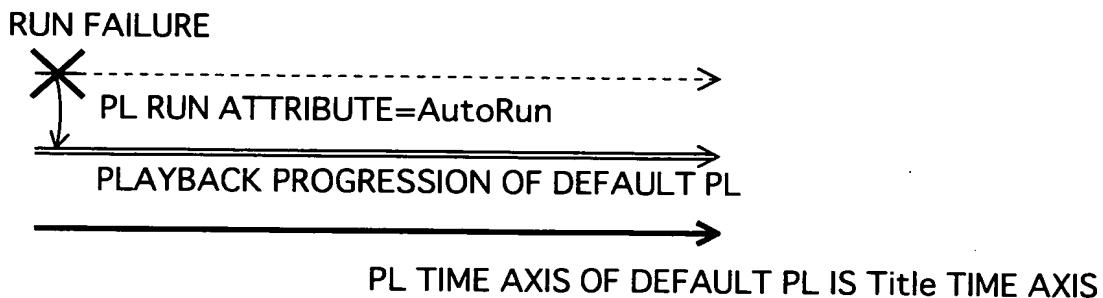


FIG. 54  
PROCESSING BY APPLICATION MANAGER IN TITLE PLAYBACK

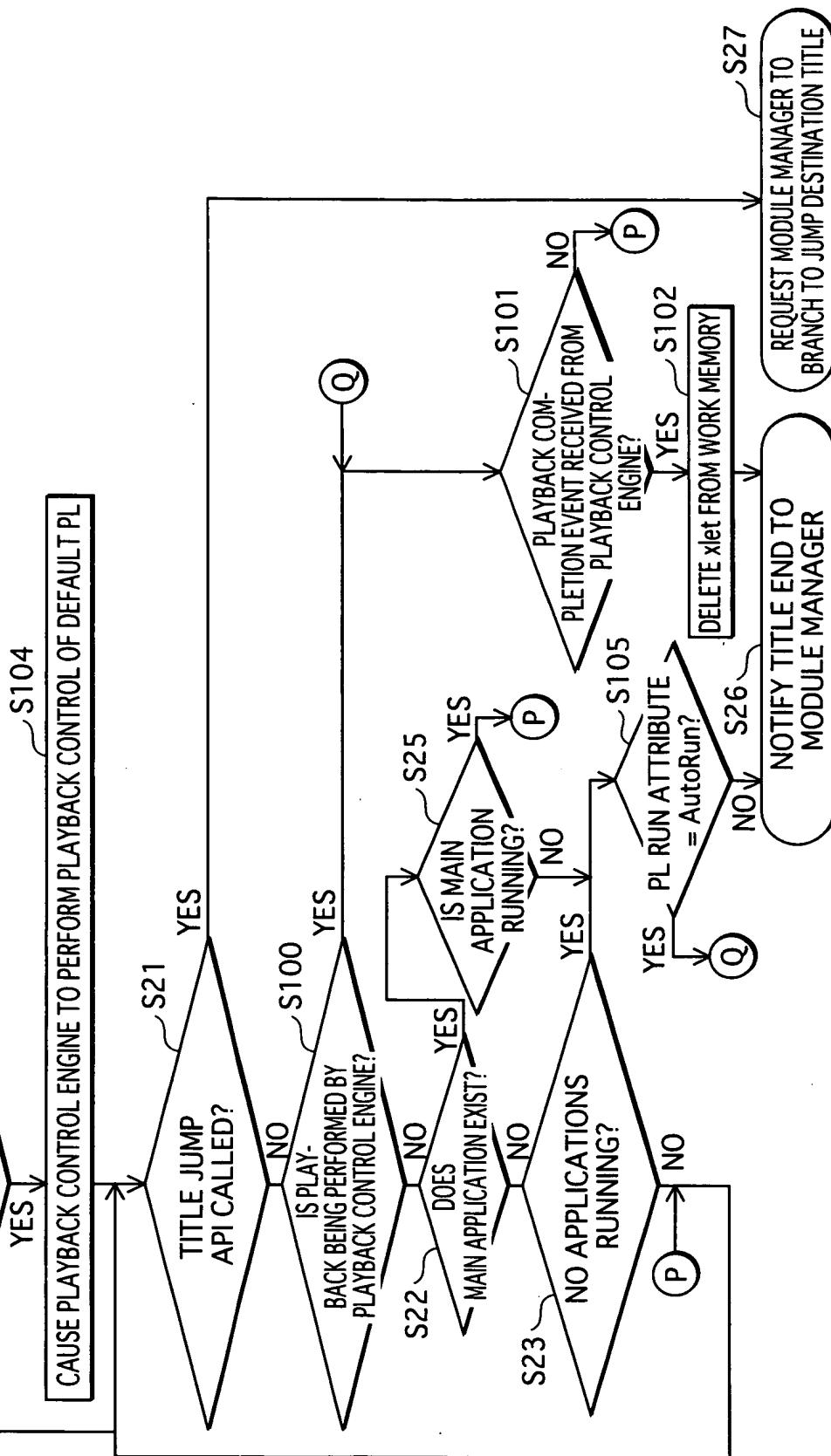


FIG. 55  
BACKGROUND: PLAYBACK IMAGE OF DEFAULT PL  
) FOREGROUND: GAME APPLICATION

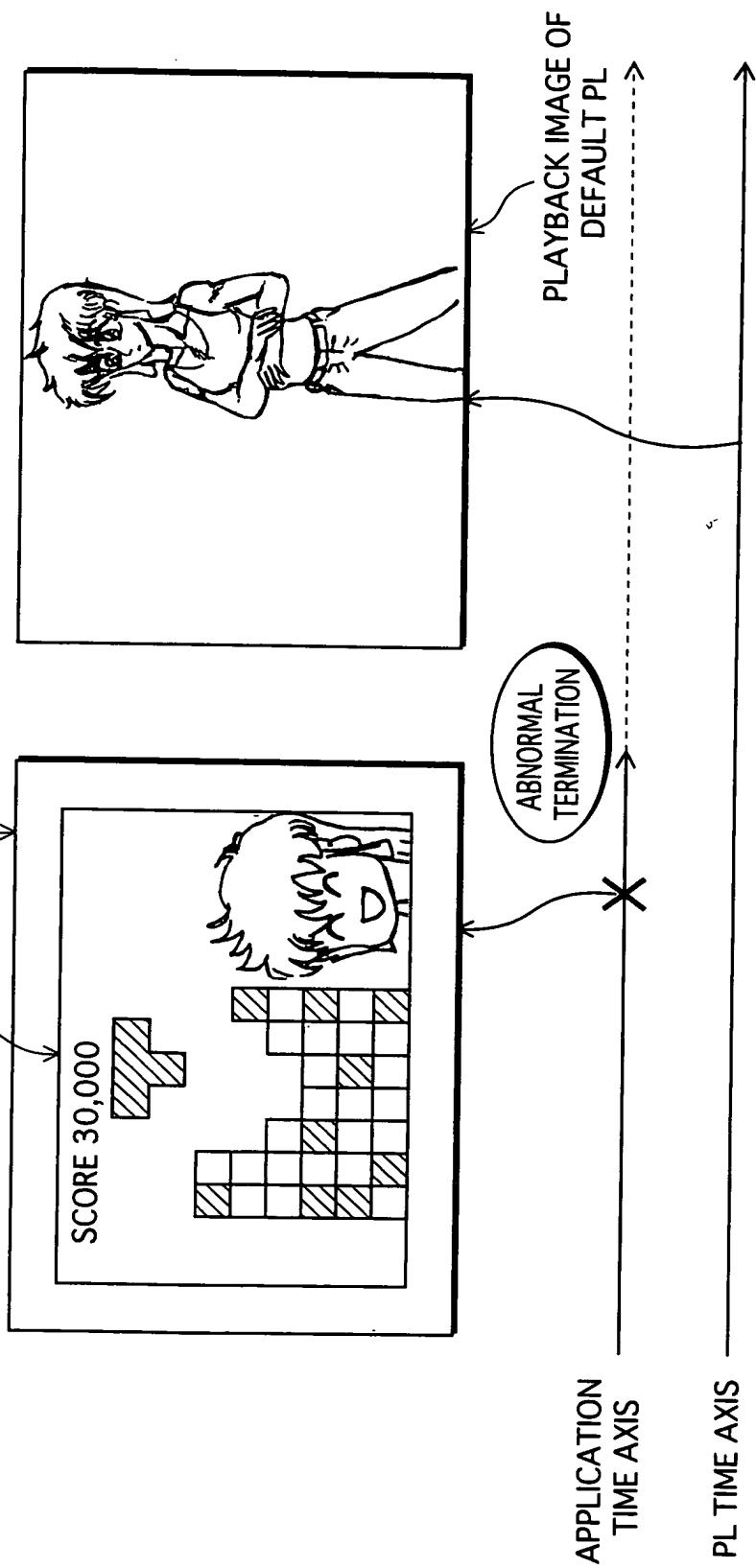


FIG. 56A APPLICATION AND DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	RUN ATTRIBUTE	READ PRIORITY LEVEL
title #1	application #1	AutoRun	
title #1:chapter #1-#3	application #2	Ready	
title #1	application #3	--	
title #1:chapter #2-#4	application #4	Ready	

RUN ATTRIBUTE + READ ATTRIBUTE

FIG. 56B

RUN ATTRIBUTE	PRELOAD BEFORE AV STREAM PLAYBACK	AUTO-RUN /CALL RUN	LOAD TO LOCAL MEMORY	LIVES /DOES NOT LIVE
AutoRun	○	AUTO	NO	LIVES
AutoRun	×	AUTO	YES	LIVES
READY	○	CALL	NO	LIVES
READY	×	CALL	YES	LIVES
NOT SPECIFIED	×	CALL	NO	LIVES

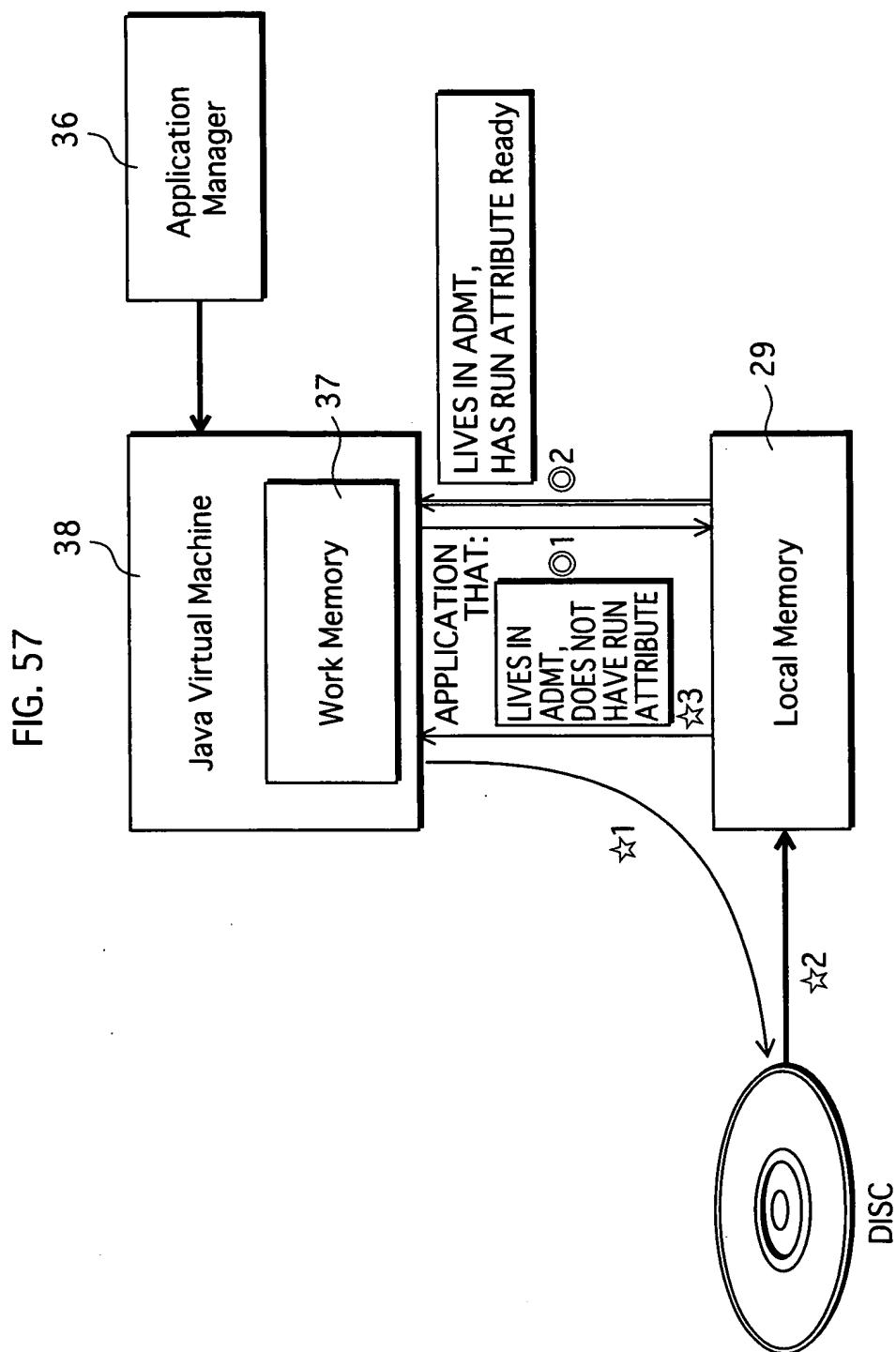


FIG. 58A DATA MANAGEMENT TABLE

LIFE CYCLE	APPLICATION ID	READ ATTRIBUTE	READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1	application #2	Preload	option, 255
title #1	application #3	Preload	option, 128

FIG. 58B

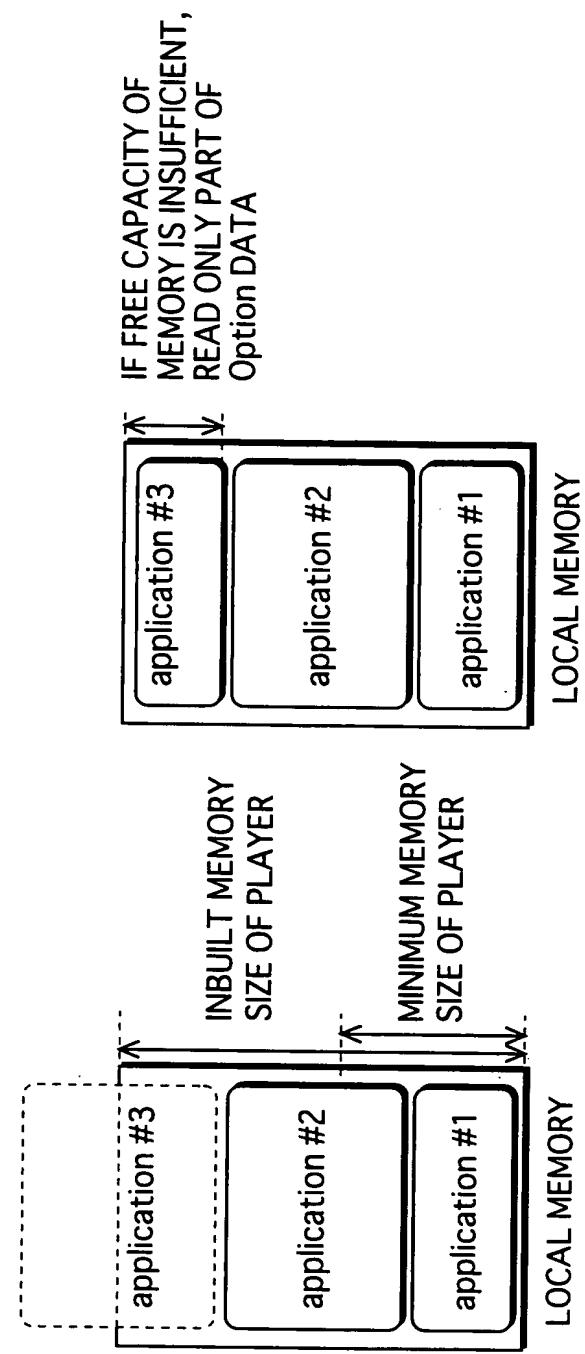


FIG. 59A DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	LOAD ATTRIBUTE	READ PRIORITY LEVEL	GROUP ATTRIBUTE
title #1	application #1		mandatory	—
title #1	application #2		optional	group #1
title #1	application #3		optional	group #1

FIG. 59B

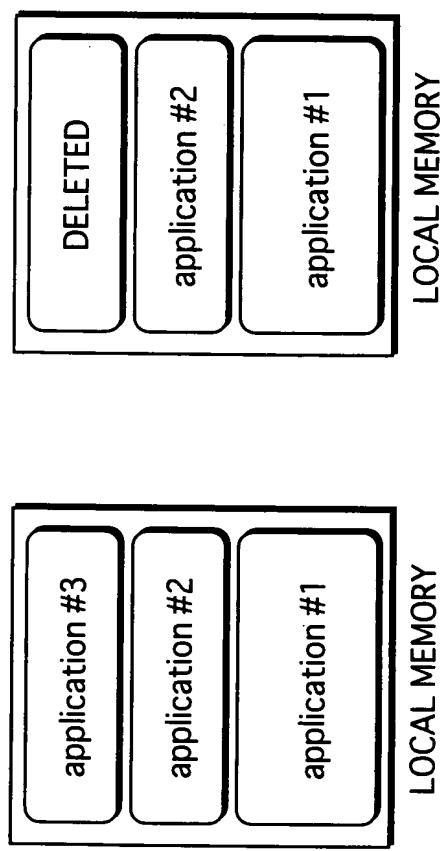


FIG. 60 APPLICATION MANAGEMENT TABLE #1

